

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:54 ; Search time 57 Seconds
(without alignments)
280.668 Million cell updates/sec

Title: US-09-540-843-1

Perfect score: 9

Sequence: 1 gagatgag 9

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1513280

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

- 1: /cgn2_6/ptodata/1/ina/1 COMB.seq:*
- 2: /cgn2_6/ptodata/1/ina/5 COMB.seq:*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
- 5: /cgn2_6/ptodata/1/ina/H COMB.seq:*
- 6: /cgn2_6/ptodata/1/ina/PC/US COMB.seq:*
- 7: /cgn2_6/ptodata/1/ina/PP COMB.seq:*
- 8: /cgn2_6/ptodata/1/ina/RE COMB.seq:*
- 9: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	9	100.0	9	3	US-09-048-927-1
2	9	100.0	15	3	US-09-048-190-6
3	9	100.0	15	3	US-09-049-190-7
4	9	100.0	15	3	US-08-932-140C-6
5	9	100.0	15	3	US-08-932-140C-7
6	9	100.0	15	3	US-09-486-623C-6
7	9	100.0	15	3	US-09-486-623C-7
8	9	100.0	17	2	US-08-758-306-365
9	9	100.0	17	2	US-08-758-306-367
10	9	100.0	17	2	US-08-758-306-369
11	9	100.0	17	2	US-08-758-306-371
12	9	100.0	17	2	US-09-866-108A-2750
13	9	100.0	17	3	US-09-866-108A-2751
14	9	100.0	17	3	US-09-866-108A-2752
15	9	100.0	17	3	US-09-866-108A-2753
16	9	100.0	17	3	US-09-866-108A-2754
17	9	100.0	17	3	US-09-866-108A-2755
18	9	100.0	17	3	US-09-866-108A-2756
19	9	100.0	17	3	US-09-866-108A-2757
20	9	100.0	17	3	US-09-866-108A-2758
21	9	100.0	20	3	US-09-287-796-101
22	9	100.0	20	3	US-09-287-796-102
23	9	100.0	20	3	US-09-130-616-101
24	9	100.0	20	3	US-09-130-616-102

25	9	100.0	20	3	US-09-105-058C-15	Sequence 15, Appl
26	9	100.0	20	3	US-09-851-062-29	Sequence 29, Appl
27	9	100.0	20	3	US-09-517-467B-84	Sequence 84, Appl
28	9	100.0	20	3	US-09-422-978-6551	Sequence 6551, Ap
29	9	100.0	20	3	US-09-774-809-101	Sequence 101, Ap
30	9	100.0	20	3	US-09-422-978-8965	Sequence 102, Ap
31	9	100.0	21	3	US-09-422-978-8965	Sequence 8965, Ap
32	9	100.0	21	9	5455029-26	Patent No. 5455029
33	9	100.0	23	3	US-09-088-274-8	Sequence 8, Appl
34	9	100.0	24	3	US-09-245-248B-23	Sequence 23, Appl
35	9	100.0	25	3	US-09-866-108A-5679	Sequence 5679, Ap
36	9	100.0	25	3	US-09-866-108A-5680	Sequence 5680, Ap
37	9	100.0	25	3	US-09-866-108A-5681	Sequence 5681, Ap
38	9	100.0	25	3	US-09-866-108A-5682	Sequence 5682, Ap
39	9	100.0	25	3	US-09-866-108A-5683	Sequence 5683, Ap
40	9	100.0	25	3	US-09-866-108A-5684	Sequence 5684, Ap
41	9	100.0	25	3	US-09-866-108A-5685	Sequence 5685, Ap
42	9	100.0	25	3	US-09-866-108A-5686	Sequence 5686, Ap
43	9	100.0	25	3	US-09-866-108A-5687	Sequence 5687, Ap
44	9	100.0	25	3	US-09-866-108A-5688	Sequence 5688, Ap
45	9	100.0	25	3	US-09-866-108A-5689	Sequence 5689, Ap

ALIGNMENTS

RESULT 1
US-09-048-927-1
; Sequence 1, Application US/09048927
; Patent No. 6147056
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Yeat, Mina
; APPLICANT: Elzer, Mark
; TITLE OF INVENTION: Use of Locally Applied DNA Fragments
; FILE REFERENCE: BU94-68A2
; CURRENT FILING DATE: 1998-03-26
; EARLIER FILING DATE: 1998-03-26
; EARLIER APPLICATION NUMBER: 08/952,697
; EARLIER FILING DATE: 1996-06-03
; EARLIER APPLICATION NUMBER: 08/467,012
; EARLIER FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 1
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: DNA Fragment
US-09-048-927-1

Query Match 100.0%; Score 9; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
Db 1 GAGTATGAG 9

RESULT 2
US-09-049-190-6/C
; Sequence 6, Application US/09049190
; Patent No. 6190866
; GENERAL INFORMATION:
; APPLICANT: Nielsen et al.
; TITLE OF INVENTION: Peptide Nucleic Acids Having
; TITLE OF INVENTION: Antibacterial Activity
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESSES:
; ADDRESSER: Woodcock Washburn Kurtz Mackiewicz
; STREET: One Liberty Place - 46th Floor

& No. 6190866r1s LLP

CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44 MB
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,190
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: John W. Caldwell
REGISTRATION NUMBER: 28,937
REFERENCE/DOCKET NUMBER: ISIS-2560
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 2
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 3
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 4
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 5
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 6
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 7
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 8
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 9
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone

OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 10
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 11
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 12
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 13
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 14
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 15
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
US-09-049-190-6

Query Match 100.0%; Score 9; DB 3; Length 15;
Best local Similarity 100.0%; Pred. No. 6.2e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
DB 11 GAGTATGAG 3

RESULT 3
US-09-049-190-7/c
Sequence 7, Application US/09049190
Patent No. 6190866
GENERAL INFORMATION:
APPLICANT: Nielsen et al.
TITLE OF INVENTION: Peptide Nucleic Acids Having
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSER: Woodcock Washburn Kurtz Mackiewicz
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44 MB
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/049,190
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: John W. Caldwell
REGISTRATION NUMBER: 28,937

REFERENCE/DOCKET NUMBER: ISIS-2560
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 2
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 3
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 4
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 5
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 6
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 7
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 8
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 9
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 10
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 11
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 12
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 13

OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 14
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 15
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine
OTHER INFORMATION: backbone
US-09-049-190-7
Query Match 100.0%; Score 9; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.2e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAGTATGAG 9
Db 14 GAGTATGAG 6
RESULT 4
US-08-932-140C-6/c
Sequence 6, Application US/08932140C
Patent No. 6300318
GENERAL INFORMATION:
APPLICANT: Nielsen et al.
TITLE OF INVENTION: Peptide Nucleic Acids Having
TITLE OF INVENTION: Antibacterial Activity
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Woodcock Washburn Kurtz Mackiewicz &
ADDRESSER: No. 630031818 LRP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/932,140C
FILING DATE: September 16, 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: John W. Caldwell
REGISTRATION NUMBER: 28,937
REFERENCE/DOCKET NUMBER: ISIS-2560
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 2
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone

FEATURE:
NAME/KEY: Modified-site
LOCATION: 3
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 4
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 5
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 6
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 7
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 8
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 9
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 10
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 11
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 12
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 13
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 14
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 15
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-
OTHER INFORMATION: lysine-glycine backbone
US-08-932-140C-6

Query Match 100.0%; Score 9; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.2e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
DB 11 GAGTATGAG 3

RESULT 5
US-08-932-140C-7/C
Sequence 7, Application US/08932140C
Patent No. 6300318
GENERAL INFORMATION:
APPLICANT: Nielsen et al.
TITLE OF INVENTION: Peptide Nucleic Acids Having
Antibacterial Activity

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
ADDRESSEE: No. 630031818 ILP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/932,140C
FILING DATE: September 16, 1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: John W. Caldwell
REGISTRATION NUMBER: 28,937
REFERENCE/DOCKET NUMBER: ISIS-2560
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
FEATURE:
NAME/KEY: Modified-site
LOCATION: 2
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
FEATURE:
NAME/KEY: Modified-site
LOCATION: 3
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
FEATURE:
NAME/KEY: Modified-site
LOCATION: 4
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
FEATURE:
NAME/KEY: Modified-site
LOCATION: 5
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
FEATURE:
NAME/KEY: Modified-site
LOCATION: 6
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
FEATURE:
NAME/KEY: Modified-site
LOCATION: 7
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
FEATURE:
NAME/KEY: Modified-site
LOCATION: 8
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine

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OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 9
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 10
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 11
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 12
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 13
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 14
OTHER INFORMATION: N-acetyl(2-aminoethyl)glycine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
LOCATION: 15
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-
OTHER INFORMATION: lysine-glycine backbone
US-08-932-140C-7

Query Match      100.0%; Score 9; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.2e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGTATGAG 9
DB      14 GAGTATGAG 6

RESULT 6
US-09-486-623C-6/c
Sequence 6, Application US/09486623C
Patent No. 6734161
GENERAL INFORMATION:
APPLICANT: Nielsen, Peter E.
TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
FILE REFERENCE: ISIS-3292
CURRENT APPLICATION NUMBER: US/09/486,623C
PRIORITY FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 08/932,140
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 6
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic construct
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(14)
OTHER INFORMATION: N-acetyl(2-aminoethyl) glycine
FEATURE:
NAME/KEY: misc_feature
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LOCATION: (15)..(15)
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine
US-09-486-623C-6

Query Match      100.0%; Score 9; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.2e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGTATGAG 9
DB      11 GAGTATGAG 3

RESULT 7
US-09-486-623C-7/c
Sequence 7, Application US/09486623C
Patent No. 6734161
GENERAL INFORMATION:
APPLICANT: Nielsen, Peter E.
TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
FILE REFERENCE: ISIS-3292
CURRENT APPLICATION NUMBER: US/09/486,623C
PRIORITY FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 08/932,140
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 7
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic construct
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(14)
OTHER INFORMATION: N-acetyl(2-aminoethyl) glycine
FEATURE:
NAME/KEY: misc_feature
LOCATION: (15)..(15)
OTHER INFORMATION: N-[acetyl(2-aminoethyl)]-C-lysine-glycine
US-09-486-623C-7

Query Match      100.0%; Score 9; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.2e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGTATGAG 9
DB      14 GAGTATGAG 6

RESULT 8
US-08-758-306-365/c
Sequence 365, Application US/08758306
Patent No. 5807743
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: McSwiggen, James A.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES
TITLE OF INVENTION: ASSOCIATED WITH
TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
NUMBER OF SEQUENCES: 1379
CORRESPONDENCE ADDRESS:
ADDRESS: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
```

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Fastseq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,306
FILING DATE: December 3, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/132
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 365:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-758-306-365

Query Match 100.0%; Score 9; DB 2; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
17 GAGTATGAG 9

RESULT 9
US-08-758-306-367/c
Sequence 367, Application US/08758306
Patent No. 5807743
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: McSwiggen, James A.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES
TITLE OF INVENTION: ASSOCIATED WITH
TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
NUMBER OF SEQUENCES: 1379
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Fastseq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,306
FILING DATE: December 3, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/132
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 367:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-758-306-367

Query Match 100.0%; Score 9; DB 2; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
15 GAGTATGAG 7

RESULT 10
US-08-758-306-369/c
Sequence 369, Application US/08758306
Patent No. 5807743
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: McSwiggen, James A.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES
TITLE OF INVENTION: ASSOCIATED WITH
TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
NUMBER OF SEQUENCES: 1379
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Fastseq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,306
FILING DATE: December 3, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/132
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 369:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-758-306-369

Query Match 100.0%; Score 9; DB 2; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
|||
Db 12 GAGTATGAG 4

RESULT 11
US-08-758-306-371/c

Sequence 371, Application US/08758306
Patent No. 5807743

GENERAL INFORMATION:

APPLICANT: Stinchcomb, Dan T.

TITLE OF INVENTION: METHOD AND REAGENT FOR THE

TITLE OF INVENTION: TREATMENT OF DISEASES

TITLE OF INVENTION: ASSOCIATED WITH

TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR

NUMBER OF SEQUENCES: 1379

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 MB

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/758,306

FILING DATE: December 3, 1996

CLASSIFICATION: 514

PRIOR APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Waiburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 212/132

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 371:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-758-306-371

Query Match 100.0%; Score 9; DB 2; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
|||
Db 9 GAGTATGAG 1

RESULT 12
US-09-866-108A-2750

Sequence 2750, Application US/09866108A

Patent No. 6686188

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: PENN, Sharon G.

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: ABOMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 15755

SOFTWARE: Aecomica Sequence Listing Engine

Patent No. 6686188

SEQ ID NO 2750

LENGTH: 17

TYPE: DNA

ORGANISM: Homo sapiens

US-09-866-108A-2750

Query Match 100.0%; Score 9; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTATGAG 9
|||
Db 9 GAGTATGAG 17

RESULT 13
US-09-866-108A-2751

Sequence 2751, Application US/09866108A

Patent No. 6686188

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: PENN, Sharon G.

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: ABOMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

```

; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2751
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2751
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Query Match      100.0%; Score 9; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 GAGTATGAG 9
Db      8 GAGTATGAG 16
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RESULT 14
US-09-866-108A-2752
; Sequence 2752, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
```

```

; SEQ ID NO 2752
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2752
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Query Match      100.0%; Score 9; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 GAGTATGAG 9
Db      7 GAGTATGAG 15
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```

RESULT 15
US-09-866-108A-2753
; Sequence 2753, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharon G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2753
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2753
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```

Query Match      100.0%; Score 9; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 GAGTATGAG 9
Db      6 GAGTATGAG 14
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Search completed: January 6, 2006, 15:49:38
Job time : 57 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:54 ; Search time 57 Seconds
(without alignments)
280.668 Million cell updates/sec

Title: US-09-540-843-2

Perfect score: 9

Sequence: 1 tagsgagat 9

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues 1513280

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing:

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/ptodata/1/ina/1 COMB.seq:*
- 2: /cgn2_6/ptodata/1/ina/5 COMB.seq:*
- 3: /cgn2_6/ptodata/1/ina/65 COMB.seq:*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
- 5: /cgn2_6/ptodata/1/ina/H COMB.seq:*
- 6: /cgn2_6/ptodata/1/ina/PTCUS COMB.seq:*
- 7: /cgn2_6/ptodata/1/ina/PP COMB.seq:*
- 8: /cgn2_6/ptodata/1/ina/RG COMB.seq:*
- 9: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	9	100.0	9	US-09-048-927-2	Sequence 22, Appl
2	9	100.0	19	US-09-398-522-22	Sequence 76, Appl
3	9	100.0	19	US-09-398-522-76	Sequence 6, Appl
4	9	100.0	20	US-09-096-172-6	Sequence 6304, Ap
5	9	100.0	20	US-09-422-978-6304	Sequence 19, Appl
6	9	100.0	20	US-09-766-154-19	Sequence 9775, Ap
7	9	100.0	21	US-09-422-978-9775	Sequence 13, Appl
8	9	100.0	21	US-09-816-814-13	Sequence 9, Appl
9	9	100.0	22	US-09-240-918-9	Sequence 15, Appl
10	9	100.0	24	US-09-416-050A-15	Sequence 15, Appl
11	9	100.0	24	US-09-664-800-15	Sequence 15, Appl
12	9	100.0	24	US-09-665-309-15	Sequence 15, Appl
13	9	100.0	24	US-09-661-569-15	Sequence 13, Appl
14	9	100.0	25	US-09-980-777-13	Sequence 27690, A
15	9	100.0	25	US-09-396-196G-27690	Sequence 27691, A
16	9	100.0	25	US-09-396-196G-27691	Sequence 53922, A
17	9	100.0	25	US-09-396-196G-53922	Sequence 92439, A
18	9	100.0	25	US-09-396-196G-92439	Sequence 94038, A
19	9	100.0	25	US-09-396-196G-94038	Sequence 98061, A
20	9	100.0	25	US-09-396-196G-98061	Sequence 98061, A
21	9	100.0	25	US-09-396-196G-98061	Sequence 108085, A
22	9	100.0	25	US-09-396-196G-108085	Sequence 108086, A
23	9	100.0	25	US-09-396-196G-108086	Sequence 116193, A
24	9	100.0	25	US-09-396-196G-116193	Sequence 116193, A

25	9	100.0	25	US-09-396-196G-116194	Sequence 116194, A
26	9	100.0	25	US-09-396-196G-120708	Sequence 120708, A
27	9	100.0	25	US-09-396-196G-120728	Sequence 120728, A
28	9	100.0	25	US-09-396-196G-120729	Sequence 120729, A
29	9	100.0	25	US-09-396-196G-120730	Sequence 120730, A
30	9	100.0	25	US-09-396-196G-120731	Sequence 120731, A
31	9	100.0	25	US-09-396-196G-120735	Sequence 120735, A
32	9	100.0	25	US-09-396-196G-120736	Sequence 120736, A
33	9	100.0	25	US-09-396-196G-120737	Sequence 120737, A
34	9	100.0	25	US-09-396-196G-120738	Sequence 120738, A
35	9	100.0	28	US-09-061-768A-33	Sequence 33, Appl
36	9	100.0	28	US-09-764-246-33	Sequence 33, Appl
37	9	100.0	29	US-08-310-356-20	Sequence 20, Appl
38	9	100.0	29	US-10-179-512A-4	Sequence 4, Appl
39	9	100.0	30	US-09-019-793A-105	Sequence 105, Appl
40	9	100.0	30	US-09-601-326-43	Sequence 43, Appl
41	9	100.0	33	US-08-189-256A-46	Sequence 46, Appl
42	9	100.0	33	US-09-193-853-46	Sequence 46, Appl
43	9	100.0	36	US-10-012-070A-5	Sequence 5, Appl
44	9	100.0	36	PCT-US95-00605-12	Sequence 12, Appl
45	9	100.0	36	PCT-US95-00605-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-09-048-927-2
Sequence 22, Application US/09048927
Patent No. 6147056
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Yaer, Mina
TITLE OR INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: BU94-68A2
CURRENT FILING DATE: US/09/048,927
EARLIER FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 9
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: DNA Fragment
US-09-048-927-2
Query Match 100.0%; Score 9; DB 3; Length 9;
Best Local Similarly 100.0%; Pred. No. 2e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 1 TAGGAGGAT 9
OR 1 TAGGAGGAT 9
RESULT 2
US-09-398-522-22/c
Sequence 22, Application US/09398522
Patent No. 6783933
GENERAL INFORMATION:
APPLICANT: Issa, Jean-Pierre
TITLE OR INVENTION: CACNA1G POLYNUCLEOTIDE POLYPEPTIDE AND
TITLE OF INVENTION: METHODS OF USE THEREFOR
FILE REFERENCE: JHU1590
CURRENT APPLICATION NUMBER: US/09/398,522
CURRENT FILING DATE: 1999-09-15
NUMBER OF SEQ ID NOS: 120

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/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 22
/ LENGTH: 19
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Bisulfite-PCR primer
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (0)..(0)
/ OTHER INFORMATION: x = G or A
US-09-398-522-22

Query Match      100.0%; Score 9; DB 3; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
DB 17 TAGGAGGAT 9

RESULT 3
US-09-398-522-76
/ Sequence 76, Application US/09398522
/ Patent No. 6783933
/ GENERAL INFORMATION:
/ APPLICANT: Issa, Jean-Pierre
/ TITLE OF INVENTION: CANNAIG POLYNUCLEOTIDE POLYPEPTIDE AND
/ TITLE OF INVENTION: METHODS OF USE THEREFOR
/ FILE REFERENCE: JH01590
/ CURRENT APPLICATION NUMBER: US/09/398,522
/ CURRENT FILING DATE: 1999-09-15
/ NUMBER OF SEQ ID NOS: 120
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 76
/ LENGTH: 19
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Target sequence for bisulfite-PCR primer
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (0)..(0)
/ OTHER INFORMATION: y = C or T
US-09-398-522-76

Query Match      100.0%; Score 9; DB 3; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
DB 3 TAGGAGGAT 11

RESULT 4
US-09-096-172-6
/ Sequence 6, Application US/09096172
/ Patent No. 6284252
/ GENERAL INFORMATION:
/ APPLICANT: MEHTALI, Majid
/ APPLICANT: SORG, Tanja
/ TITLE OF INVENTION: NEW TRANSDOMINANT TAT VARIANTS OF THE
/ TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS
/ NUMBER OF SEQUENCES: 7
/ CORRESPONDENCE ADDRESSES:
/ ADDRESSEE: Burns, Doane, Swecker & Mathis
/ STREET: P.O. Box 1404
/ CITY: Alexandria
/ STATE: Virginia
/ COUNTRY: United States
/ ZIP: 22313-1404
```

```
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/096,172
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/177,145
/ FILING DATE: 04-JAN-1994
/ APPLICATION NUMBER: FR 93 00004
/ FILING DATE: 04-JAN-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Crane-Feury, Sharon E
/ REGISTRATION NUMBER: 36,113
/ REFERENCE/DOCKET NUMBER: 017753-040
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (703) 836-6620
/ TELEFAX: (703) 836-6620
/ INFORMATION FOR SEQ ID NO: 6:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ HYPOTHETICAL: NO
/ ANTI-SENSE: YES
/ ORIGINAL SOURCE:
/ INDIVIDUAL ISOLATE: mutagenesis oligonucleotide (TAT
/ INDIVIDUAL ISOLATE: 451e to Ser)
US-09-096-172-6

Query Match      100.0%; Score 9; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
DB 5 TAGGAGGAT 13

RESULT 5
US-09-422-978-6304/c
/ Sequence 6304, Application US/09422978
/ Patent No. 6537751
/ GENERAL INFORMATION:
/ APPLICANT: Cohen, Daniel
/ APPLICANT: Blumenfeld, Marla
/ APPLICANT: Chumakov, Ilya
/ TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
/ FILE REFERENCE: GENSET.020C01
/ CURRENT APPLICATION NUMBER: US/09/422,978
/ CURRENT FILING DATE: 1999-10-20
/ EARLIER APPLICATION NUMBER: US 09/298,850
/ EARLIER FILING DATE: 1999-04-21
/ EARLIER APPLICATION NUMBER: US 60/109,732
/ EARLIER FILING DATE: 1998-11-23
/ EARLIER APPLICATION NUMBER: US 60/082,614
/ EARLIER FILING DATE: 1998-04-21
/ NUMBER OF SEQ ID NOS: 11796
/ SEQ ID NO 6304
/ LENGTH: 20
/ TYPE: DNA
/ ORGANISM: Homo Sapiens
/ FEATURE:
/ NAME/KEY: primer_bind
/ LOCATION: 1..20
/ OTHER INFORMATION: upstream amplification primer 99-10661 for SEQ 2370,
US-09-422-978-6304
```

Query Match 100.0%; Score 9; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 18 TAGGAGGAT 10

RESULT 6
US-09-766-154-19

; Sequence 19, Application US/09766154
; Patent No. 6867347
; GENERAL INFORMATION:
; APPLICANT: Patience, Clive
; TITLE OF INVENTION: Swine Defective for Transmission of Porcine Endogenous
; FILE REFERENCE: 61750-311
; CURRENT APPLICATION NUMBER: US/09/766,154
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: U.S. 60/243695
; PRIOR FILING DATE: 2000-10-27
; PRIOR APPLICATION NUMBER: U.S. 60/182965
; PRIOR FILING DATE: 2000-02-16
; PRIOR APPLICATION NUMBER: U.S. 60/177003
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-766-154-19

Query Match 100.0%; Score 9; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 2 TAGGAGGAT 10

RESULT 7
US-09-422-978-9775/c

; Sequence 9775, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marita
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Ballester markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9775
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..21
; OTHER INFORMATION: downstream amplification primer 99-7276 for SEQ 1910, in compleme

US-09-422-978-9775

Query Match 100.0%; Score 9; DB 3; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 11 TAGGAGGAT 3

RESULT 8
US-09-816-814-13/c

; Sequence 13, Application US/09816814
; Patent No. 6818406
; GENERAL INFORMATION:
; APPLICANT: Goronzy, Jorg J.
; APPLICANT: Weyand, Cornelia M.
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS MARKERS
; FILE REFERENCE: 07039-251001
; CURRENT APPLICATION NUMBER: US/09/816,814
; PRIOR FILING DATE: 2001-03-23
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer for PCR
US-09-816-814-13

Query Match 100.0%; Score 9; DB 3; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 15 TAGGAGGAT 7

RESULT 9
US-09-240-918-9

; Sequence 9, Application US/09240918
; Patent No. 6265165
; GENERAL INFORMATION:
; APPLICANT: Gruenert, Dieter C.
; APPLICANT: Xu, Zhidong
; TITLE OF INVENTION: METHODS FOR EST-SPECIFIC FULL LENGTH CDNA CLONING
; FILE REFERENCE: 480.85.1(HV)
; CURRENT APPLICATION NUMBER: US/09/240,918
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/108,183
; PRIOR FILING DATE: 1998-11-12
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-240-918-9

Query Match 100.0%; Score 9; DB 3; Length 22;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
Db 9 TAGGAGGAT 17

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RESULT 10
US-09-416-050A-15/c
; Sequence 15, Application US/09416050A
; Patent No. 6194559
; GENERAL INFORMATION:
; APPLICANT: KIM, Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/416,050A
; CURRENT FILING DATE: 1999-10-12
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-416-050A-15

Query Match      100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
Db      17 TAGGAGGAT 9

RESULT 11
US-09-664-800-15/c
; Sequence 15, Application US/09664800
; Patent No. 6218527
; GENERAL INFORMATION:
; APPLICANT: KIM, Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/664,800
; CURRENT FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: 09/416,050
; PRIOR FILING DATE: 1999-10-12
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-664-800-15

Query Match      100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
Db      17 TAGGAGGAT 9

RESULT 12
US-09-665-309-15/c
; Sequence 15, Application US/09665309
; Patent No. 6232461
; GENERAL INFORMATION:
; APPLICANT: KIM, Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/665,309
; CURRENT FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: 09/416,050
; PRIOR FILING DATE: 1999-10-12
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 24
; TYPE: DNA
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; ORGANISM: Arabidopsis thaliana
US-09-665-309-15

Query Match      100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
Db      17 TAGGAGGAT 9

RESULT 13
US-09-661-569-15/c
; Sequence 15, Application US/09661569
; Patent No. 6245905
; GENERAL INFORMATION:
; APPLICANT: KIM, Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/661,569
; CURRENT FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 09/416,050
; PRIOR FILING DATE: 1999-10-12
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-661-569-15

Query Match      100.0%; Score 9; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
Db      17 TAGGAGGAT 9

RESULT 14
US-09-980-777-13
; Sequence 13, Application US/09980777
; Patent No. 6794129
; GENERAL INFORMATION:
; APPLICANT: TRIJES, Jean-No. 67941291
; APPLICANT: DESCHAMPS, Diane
; TITLE OF INVENTION: Method for Testing Resistance to Antiproteases of an HIV-2 Virus
; FILE REFERENCE: 111380
; CURRENT APPLICATION NUMBER: US/09/980,777
; CURRENT FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: PCT/FR00/01728
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: FR 99/07855
; PRIOR FILING DATE: 1999-06-21
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Probe (position 54)
US-09-980-777-13

Query Match      100.0%; Score 9; DB 3; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
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Db 1 TAGGAGGAT 9

RESULT 15
 US-09-396-196G-27690/c
 ; Sequence 27690, Application US/09396196G
 ; Patent No. 6821724
 ; GENERAL INFORMATION:
 ; APPLICANT: Michael Miltmann
 ; APPLICANT: David Mack
 ; APPLICANT: David Lockhart
 ; APPLICANT: Affymetrix, Inc.
 ; TITLE OF INVENTION: Methods of Genetic Analysis
 ; FILE REFERENCE: 3101.1
 ; CURRENT APPLICATION NUMBER: US/09/396,196G
 ; CURRENT FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: 60/100,678
 ; PRIOR FILING DATE: 1998-09-17
 ; NUMBER OF SEQ ID NOS: 127806
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 27690
 ; LENGTH: 25
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 US-09-396-196G-27690

Query Match 100.0%; Score 9; DB 3; Length 25;
 Best Local Similarity 100.0%; Pred. No. 1.2e+04;
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGAGGAT 9
 Db 18 TAGGAGGAT 10

Search completed: January 6, 2006, 15:49:39
 Job time : 58 secs

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OM nucleic - nucleic search, using BW model

Run on: January 6, 2006, 15:41:54 ; Search time 44.333 Seconds
(without alignments)
280.668 Million cell updates/sec

Title: US-09-540-843-3
Perfect score: 7
Sequence: 1 agataga 7

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1513280

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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5: /cgn2_6/ptodata/1/ina/H.COMB.seq:*
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7: /cgn2_6/ptodata/1/ina/PP.COMB.seq:*
8: /cgn2_6/ptodata/1/ina/RG.COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	7	100.0	7	3	US-09-048-927-3
2	7	100.0	9	3	US-09-048-927-1
3	7	100.0	13	3	US-09-922-445-12
4	7	100.0	13	3	US-09-922-445-22
5	7	100.0	14	2	US-08-485-133-27
6	7	100.0	14	2	US-08-744-905A-4
7	7	100.0	15	2	US-08-334-847-24
8	7	100.0	15	2	US-08-334-847-327
9	7	100.0	15	2	US-08-671-071B-2
10	7	100.0	15	2	US-08-747-121-4
11	7	100.0	15	2	US-08-585-684B-130
12	7	100.0	15	2	US-08-585-684B-1315
13	7	100.0	15	2	US-08-485-133-28
14	7	100.0	15	3	US-09-094-714A-33
15	7	100.0	15	3	US-09-094-714A-34
16	7	100.0	15	3	US-09-049-190-6
17	7	100.0	15	3	US-09-049-190-7
18	7	100.0	15	3	US-09-038-073-130
19	7	100.0	15	3	US-09-038-073-1315
20	7	100.0	15	3	US-08-932-140C-6
21	7	100.0	15	3	US-08-932-140C-7
22	7	100.0	15	3	US-09-253-977-2
23	7	100.0	15	3	US-09-272-343-1
24	7	100.0	15	3	US-09-272-343-2

C 25	7	100.0	15	3	US-09-486-623C-6	Sequence 6, Appli
C 26	7	100.0	15	3	US-09-486-623C-7	Sequence 7, Appli
C 27	7	100.0	16	2	US-07-977-284A-59	Sequence 59, Appli
C 28	7	100.0	16	2	US-08-719-593-24	Sequence 24, Appli
C 29	7	100.0	16	2	US-08-256-426B-59	Sequence 59, Appli
C 30	7	100.0	16	3	US-08-458-814-1	Sequence 1, Appli
C 31	7	100.0	16	3	US-09-479-005A-125	Sequence 125, App
C 32	7	100.0	17	2	US-09-479-005A-126	Sequence 126, App
C 33	7	100.0	17	2	US-08-390-850-461	Sequence 461, App
C 34	7	100.0	17	2	US-08-435-634-461	Sequence 461, App
C 35	7	100.0	17	2	US-08-758-306-365	Sequence 365, App
C 36	7	100.0	17	2	US-08-758-306-367	Sequence 367, App
C 37	7	100.0	17	2	US-08-758-306-369	Sequence 369, App
C 38	7	100.0	17	2	US-08-758-306-371	Sequence 371, App
C 39	7	100.0	17	2	US-08-758-306-813	Sequence 813, App
C 40	7	100.0	17	2	US-08-758-306-815	Sequence 815, App
C 41	7	100.0	17	2	US-08-671-320-6	Sequence 6, Appli
C 42	7	100.0	17	2	US-08-868-577-6	Sequence 6, Appli
C 43	7	100.0	17	2	US-08-485-133-2	Sequence 2, Appli
C 44	7	100.0	17	3	US-08-985-162-443	Sequence 443, App
C 45	7	100.0	17	3	US-08-985-162-444	Sequence 444, App

ALIGNMENTS

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RESULT 1
US-09-048-927-3
Sequence 3, Application US/09048927
Patent No. 6147056
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Yaer, Mina
APPLICANT: Eller, Mark
TITLE OF INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: B094-68A2
CURRENT FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: US/09/048,927
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 7
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: DNA Fragment
US-09-048-927-3
Query Match 100.0%; Score 7; DB 3; Length 7;
Best local similarity 100.0%; Pred. No. 2.5e+08;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 AGTATGA 7
Db 1 AGTATGA 7
RESULT 2
US-09-048-927-1
Sequence 1, Application US/09048927
Patent No. 6147056
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Yaer, Mina
APPLICANT: Eller, Mark
TITLE OF INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: B094-68A2
CURRENT APPLICATION NUMBER: US/09/048,927
CURRENT FILING DATE: 1998-03-26
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EARLIER APPLICATION NUMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 1
LENGTH: 9
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: DNA Fragment
US-09-048-927-1

Query Match 100.0%; Score 7; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.9e+08;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
DB 2 AGTATGA 8

RESULT 3
US-09-922-445-12/c
Sequence 12, Application US/09922445
Patent No. 6528268
GENERAL INFORMATION:
APPLICANT: Anderson, Maria K.
APPLICANT: Berglund, Lars G. T.
APPLICANT: Reneland, Rikard H.
APPLICANT: Adam, Gail I. R.
TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTION OF HEART FAILURE
FILE REFERENCE: G6126US
CURRENT APPLICATION NUMBER: US/09/922,445
CURRENT FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn Version 3.1
SEQ ID NO 12
LENGTH: 13
TYPE: DNA
ORGANISM: synthetic
US-09-922-445-12

Query Match 100.0%; Score 7; DB 3; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
DB 9 AGTATGA 3

RESULT 4
US-09-922-445-22
Sequence 22, Application US/09922445
Patent No. 6528268
GENERAL INFORMATION:
APPLICANT: Anderson, Maria K.
APPLICANT: Berglund, Lars G. T.
APPLICANT: Reneland, Rikard H.
APPLICANT: Adam, Gail I. R.
TITLE OF INVENTION: REAGENTS AND METHODS FOR DETECTION OF HEART FAILURE
FILE REFERENCE: G6126US
CURRENT APPLICATION NUMBER: US/09/922,445
CURRENT FILING DATE: 2001-08-03
NUMBER OF SEQ ID NOS: 51
SOFTWARE: PatentIn Version 3.1
SEQ ID NO 22
LENGTH: 13
TYPE: DNA
ORGANISM: synthetic
US-09-922-445-22

Query Match 100.0%; Score 7; DB 3; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
DB 5 AGTATGA 11

RESULT 5
US-08-485-133-27
Sequence 27, Application US/08485133
Patent No. 5976789
GENERAL INFORMATION:
APPLICANT: Allibert, Patrice A.
APPLICANT: Cros, Philippe
APPLICANT: Mach, Bernard F.
APPLICANT: Mandrand, Bernard F.
APPLICANT: Tiercy, Jean-Marie
TITLE OF INVENTION: SYSTEM OF PROBES ENABLING HLA-DR TYPING
TITLE OF INVENTION: TO BE PERFORMED, AND TYPING METHOD USING SAID PROBES
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESS:
ADDRESSEE: OLIFF & BERRIDGE
STREET: P.O. Box 19928
CITY: Alexandria
STATE: Virginia
ZIP: 22320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,133
FILING DATE: 7-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/030,143
FILING DATE: 11-MAR-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Berridge, William P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: MPB 28596A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6400
TELEFAX: 703-836-2787
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-485-133-27

Query Match 100.0%; Score 7; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
DB 8 AGTATGA 14

RESULT 6
US-08-744-905A-4/c
Sequence 4, Application US/08744905A
Patent No. 5990294
GENERAL INFORMATION:
APPLICANT: Murphy, Gerald
APPLICANT: Boynton, Alton

APPLICANT: Sehgal, Anil
TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID
TITLE OF INVENTION: SEQUENCES OF C4-2, A TUMOR SUPPRESSOR GENE,
TITLE OF INVENTION: AND METHODS OF USE THEREOF
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edwards
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PaeSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/744,905A
FILING DATE: 08-NOV-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Baldwin, Geraldine F
REGISTRATION NUMBER: 31,232
REFERENCE/DOCKET NUMBER: 8511-009
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)7909090
TELEFAX: (212)8698864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified Base
LOCATION: 1
OTHER INFORMATION: Where N is any nucleotide
US-08-744-905A-4
Query Match 100.0%; Score 7; DB 2; Length 14;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 AGTATGA 7
Db 14 AGTATGA 8
RESULT 7
US-08-334-847-24
Sequence 24, Application US/08334847
Patent No. 5693532
GENERAL INFORMATION:
APPLICANT: MCSwigen, James
APPLICANT: Draper, Kenneth
APPLICANT: Pavco, Pam
APPLICANT: Woolf, Tod
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING RESPIRATORY
NUMBER OF SEQUENCES: 909
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.

ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/334,847
FILING DATE: No. 5693532member 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wardburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-334-847-24
Query Match 100.0%; Score 7; DB 2; Length 15;
Best Local Similarity 71.4%; Pred. No. 3.7e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Cy 1 AGTATGA 7
Db 5 AGTATGA 11
RESULT 8
US-08-334-847-327
Sequence 327, Application US/08334847
Patent No. 5693532
GENERAL INFORMATION:
APPLICANT: MCSwigen, James
APPLICANT: Draper, Kenneth
APPLICANT: Pavco, Pam
APPLICANT: Woolf, Tod
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING RESPIRATORY
NUMBER OF SEQUENCES: 909
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/334,847
FILING DATE: No. 5693532member 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wardburg, Richard J.

REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/032
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 327:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-334-847-327

Query Match 100.0%; Score 7; DB 2; Length 15;
Best Local Similarity 71.4%; Pred. No. 3.7e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
Db 5 AGTAUGA 11

RESULT 9
US-08-671-071B-2/c
Sequence 2, Application US/08671071B
Patent No. 5811270
GENERAL INFORMATION:
APPLICANT: Grandgenet, Duane
TITLE OF INVENTION: An in vitro method for concerted integration of
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESSES:
ADDRESSER: Grandgenet, Duane
STREET: 8610 Henrietta Ave
CITY: Brentwood
STATE: Missouri
COUNTRY: USA
ZIP: 63144
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch;
COMPUTER: Gateway 2000,4dx2-66x(intel)
OPERATING SYSTEM: IBM clone
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,071B
FILING DATE: 06/27/96
CLASSIFICATION: 435
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 962-0064
TELEFAX: (314) 577-8406
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bases
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: no
ANTI-SENSE: no
ORIGINAL SOURCE: Combination of avian or HIV-1 retrovirus
IMMEDIATE SOURCE: DNA, p1AN7 plasmid and pGEM plasmid.
FEATURE:
OTHER INFORMATION: The sequence is the bottom strand of
OTHER INFORMATION: M-2 US and the pGEM target of the top clone shown in
OTHER INFORMATION: Figure 14 of original application.
US-08-671-071B-2

Query Match 100.0%; Score 7; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
Db 9 AGTATGA 3

RESULT 10
US-08-747-121-4/c
Sequence 4, Application US/08747121
Patent No. 5874290
GENERAL INFORMATION:
APPLICANT: Murphy, Gerald
APPLICANT: Boynton, Alton
APPLICANT: Sengal, Atil
TITLE OF INVENTION: NUCLEOTIDE AND AMINO ACID
TITLE OF INVENTION: SEQUENCES OF A D2-2 GENE ASSOCIATED WITH
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESSES:
ADDRESSER: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747,121
FILING DATE: 08-NOV-1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Baldwin, Geraldine F
REGISTRATION NUMBER: 31,232
REFERENCE/DOCKET NUMBER: 8511-008
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)7909090
TELEFAX: (212)8698864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified Base
LOCATION: 1
OTHER INFORMATION: where N is any nucleotide
US-08-747-121-4

Query Match 100.0%; Score 7; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
Db 15 AGTATGA 9

RESULT 11
US-08-585-684B-130
Sequence 130, Application US/08585684B
Patent No. 5877021
GENERAL INFORMATION:
APPLICANT: Scinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James

TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B
FILING DATE: January 16, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 130:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-585-684B-130

Query Match 100.0%; Score 7; DB 2; Length 15;
Best Local Similarity 71.4%; Pred. No. 3.7e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
DB 5 AGUADUGA 11

RESULT 12
US-08-585-684B-1315
Sequence 1315, Application US/08585684B
Patent No. 5877021
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B
FILING DATE: January 16, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1315:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-585-684B-1315

Query Match 100.0%; Score 7; DB 2; Length 15;
Best Local Similarity 71.4%; Pred. No. 3.7e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
DB 5 AGUADUGA 11

RESULT 13
US-08-485-133-28
Sequence 28, Application US/08485133
Patent No. 5976789
GENERAL INFORMATION:
APPLICANT: Allibert, Patrice A.
APPLICANT: Cros, Philippe
APPLICANT: Mach, Bernard F.
APPLICANT: Mandrand, Bernard F.
APPLICANT: Tiercy, Jean-Marie
TITLE OF INVENTION: SYSTEM OF PROBES ENABLING HLA-DR TYPING
TITLE OF INVENTION: TO BE PERFORMED, AND TYPING METHOD USING SAID PROBES
NUMBER OF SEQUENCES: 81
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Oliff & BERRIDGE
STREET: P.O. Box 19928
CITY: Alexandria
STATE: Virginia
ZIP: 22320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,133
FILING DATE: 7-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/030,143
FILING DATE: 11-MAR-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Berridge, William P.
REGISTRATION NUMBER: 30,024
REFERENCE/DOCKET NUMBER: MPB 28596A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6400
TELEFAX: 703-836-2787
INFORMATION FOR SEQ ID NO: 28:

SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-485-133-28

Query Match 100.0%; Score 7; DB 2; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
DB 9 AGTATGA 15

RESULT 14
US-09-094-714A-33/C
Sequence 33, Application US/09094714A
Patent No. 6117847
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett, Nicholas M. Dean
TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
TITLE OF INVENTION: PROTEIN KINASE C EXPRESSION
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847r1s, LLP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/094,714A
FILING DATE: June 15, 1998
CLASSIFICATION: 435
APPLICATION NUMBER: 08/601,269
FILING DATE: 14-FEB-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/478,178
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/089,996
FILING DATE: 09-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/852,852
FILING DATE: 16-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Paul K. Legard
REGISTRATION NUMBER: 38,534
REFERENCE/DOCKET NUMBER: ISIS-2943
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-094-714A-33

Query Match 100.0%; Score 7; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7

DB 12 AGTATGA 6

RESULT 15
US-09-094-714A-34/C
Sequence 34, Application US/09094714A
Patent No. 6117847
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett, Nicholas M. Dean
TITLE OF INVENTION: OLIGONUCLEOTIDES FOR ENHANCED MODULATION OF
TITLE OF INVENTION: PROTEIN KINASE C EXPRESSION
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6117847r1s, LLP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/094,714A
FILING DATE: June 15, 1998
CLASSIFICATION: 435
APPLICATION NUMBER: 08/601,269
FILING DATE: 14-FEB-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/478,178
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/089,996
FILING DATE: 09-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/852,852
FILING DATE: 16-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Paul K. Legard
REGISTRATION NUMBER: 38,534
REFERENCE/DOCKET NUMBER: ISIS-2943
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-094-714A-34

Query Match 100.0%; Score 7; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.7e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
DB 14 AGTATGA 8

Search completed: January 6, 2006, 15:49:39
Job time : 44.3333 secs

GenCore version 5.1.6
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OW nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:54 ; Search time 31.6667 Seconds
(without alignments)
280.668 Million cell updates/sec

Title: US-09-540-843-4

Perfect score: 5

Sequence: 1 gralg 5

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1513280

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/ptodata/1/ina/1 COMB.seq: *
2: /cgn2_6/ptodata/1/ina/5 COMB.seq: *
3: /cgn2_6/ptodata/1/ina/6A COMB.seq: *
4: /cgn2_6/ptodata/1/ina/6B COMB.seq: *
5: /cgn2_6/ptodata/1/ina/H COMB.seq: *
6: /cgn2_6/ptodata/1/ina/PCYUS COMB.seq: *
7: /cgn2_6/ptodata/1/ina/PP COMB.seq: *
8: /cgn2_6/ptodata/1/ina/RG COMB.seq: *
9: /cgn2_6/ptodata/1/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5	100.0	5	3	US-08-855-372B-20
2	5	100.0	5	3	US-09-048-927-4
3	5	100.0	5	3	US-09-498-851-20
4	5	100.0	7	2	US-08-615-170-10
5	5	100.0	7	3	US-08-615-170-12
6	5	100.0	7	3	US-09-048-927-3
7	5	100.0	8	3	US-09-142-593-11
8	5	100.0	8	3	US-09-927-886-17
9	5	100.0	8	3	US-09-617-543-5
10	5	100.0	9	2	US-08-583-276-1
11	5	100.0	9	3	US-08-646-789A-8
12	5	100.0	9	3	US-08-646-789A-80
13	5	100.0	9	3	US-09-048-927-1
14	5	100.0	9	3	US-09-319-648-68
15	5	100.0	9	3	US-10-096-896-32
16	5	100.0	10	2	US-08-335-565A-27
17	5	100.0	10	2	US-08-250-951-1
18	5	100.0	10	2	US-08-232-233-1
19	5	100.0	10	2	US-08-222-177A-422
20	5	100.0	10	2	US-08-351-748-23
21	5	100.0	10	2	US-08-351-748-25
22	5	100.0	10	2	US-08-202-927-25
23	5	100.0	10	2	US-08-430-536A-23
24	5	100.0	10	2	US-08-430-536A-25

25	5	100.0	10	2	US-08-171-718-45	Sequence 45, Appl
26	5	100.0	10	2	US-08-703-601-1	Sequence 1, Appl
27	5	100.0	10	2	US-08-684-547-23	Sequence 23, Appl
28	5	100.0	10	2	US-08-684-547-25	Sequence 25, Appl
29	5	100.0	10	3	US-08-469-318-174	Sequence 174, App
30	5	100.0	10	3	US-08-468-609A-174	Sequence 174, App
31	5	100.0	10	3	US-08-478-087-45	Sequence 45, Appl
32	5	100.0	10	3	US-09-063-450-24	Sequence 24, Appl
33	5	100.0	10	3	US-09-063-450-33	Sequence 33, Appl
34	5	100.0	10	3	US-09-123-638-1	Sequence 1, Appl
35	5	100.0	10	3	US-08-646-695-30	Sequence 30, Appl
36	5	100.0	10	3	US-08-875-533-31	Sequence 31, Appl
37	5	100.0	10	3	US-08-446-872A-174	Sequence 174, App
38	5	100.0	10	3	US-09-724-753-1	Sequence 1, Appl
39	5	100.0	10	3	US-08-762-227A-174	Sequence 174, App
40	5	100.0	10	3	US-09-475-947A-23	Sequence 23, Appl
41	5	100.0	10	3	US-09-427-834A-34	Sequence 34, Appl
42	5	100.0	10	3	US-09-445-388A-75	Sequence 7, Appl
43	5	100.0	10	3	US-09-508-753B-252	Sequence 252, App
44	5	100.0	10	3	US-09-508-753B-265	Sequence 265, App
45	5	100.0	10	3	US-09-508-753B-273	Sequence 273, App

ALIGNMENTS

RESULT 1
US-08-855-372B-20
Sequence 20, Application US/08855372B
Patent No. 6090549
GENERAL INFORMATION:
APPLICANT: Mirzabekov, Andrei D
APPLICANT: Parinov, Sergei V
APPLICANT: Barsky, Victor E
APPLICANT: Kirillov, Eugene V
APPLICANT: Dubilev, Svetlana A
TITLE OF INVENTION: Use of Continuous/Contiguous Stacking Hybridization as a Diagnostic
NUMBER OF SEQUENCES: 88
CORRESPONDENCE ADDRESS:
ADDRESSEE: CHERSKOV & PLATNIK
STREET: 20 N. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.50 Inch, 1.4 MB Storage
COMPUTER: PC
OPERATING SYSTEM: Microsoft Windows 98
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/855,372B
FILING DATE: 13-May-97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. 08/587,332
FILING DATE: 16-JAN-96
ATTORNEY/AGENT INFORMATION:
NAME: Cherskov, Michael J.
REGISTRATION NUMBER: 33,664
REFERENCE/DOCKET NUMBER: ANL-IN-95-027
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 621-1330
TELEFAX: (312) 621-0088
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 bases
TYPE: nucleic acid
STRANDEDNESS: No. 6090549 Applicable
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: Yes
US-08-855-372B-20

Query Match 100.0%; Score 5; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 3.3e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
Db 1 GTATG 5

RESULT 2
US-09-048-927-4
Sequence 4; Application US/09048927
Patent No. 6147056
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Yaar, Mina
APPLICANT: Eller, Mark
TITLE OF INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: BU94-68A2
CURRENT APPLICATION NUMBER: US/09/048,927
CURRENT FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 4
LENGTH: 5
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: DNA Fragment
US-09-048-927-4

Query Match 100.0%; Score 5; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 3.3e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
Db 1 GTATG 5

RESULT 3
US-09-498-851-20
Sequence 20; Application US/09498851
Patent No. 6440671
GENERAL INFORMATION:
APPLICANT: Mirzabekov, Andrei D
APPLICANT: Parinov, Sergei V
APPLICANT: Barseky, Victor E
APPLICANT: Kirillov, Eugene V
APPLICANT: Dubiley, Svetlana A
TITLE OF INVENTION: Use of Continuous/Contiguous
Stacking Hybridization as a Diagnostic Tool.
NUMBER OF SEQUENCES: 88
CORRESPONDENCE ADDRESSES:
ADDRESSEE: CHERSKOV & PLAVNIK
STREET: 20 N. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.50 inch, 1.4 MB storage
COMPUTER: PC
OPERATING SYSTEM: Microsoft Windows 98
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/498,851
FILING DATE:
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/855,372
FILING DATE: 13-MAY-97
APPLICATION NUMBER: U.S. 08/587,332
FILING DATE: 16-JAN-96
ATTORNEY/AGENT INFORMATION:
NAME: Cherkov, Michael J
REGISTRATION NUMBER: 33,664
REFERENCE/DOCKET NUMBER: ANT-IN-95-027
TELEPHONE: (312) 621-1330
TELEFAX: (312) 621-0088
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 bases
TYPE: nucleic acid
STRANDEDNESS: No. 6440671 Applicable
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: yes
US-09-498-851-20

Query Match 100.0%; Score 5; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 3.3e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
Db 1 GTATG 5

RESULT 4
US-08-615-170-10/c
Sequence 10; Application US/08615170
Patent No. 5776776
GENERAL INFORMATION:
APPLICANT: ORDAHL, Charles P.
APPLICANT: AZAKIE, Anthony
APPLICANT: MAR, Janet H.
APPLICANT: FARRANCE, Iain K.G.
APPLICANT: HALL, Deborah E.
APPLICANT: STEWART, Alexandre F.R.
APPLICANT: LARKIN, Sarah B.
TITLE OF INVENTION: DTEP-1 ISOPORMS AND USES THEREOF
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,170
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/01526
FILING DATE: 06-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/191,493
FILING DATE: 04-FEB-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Heblin, James M.
REGISTRATION NUMBER: 29,541
REFERENCE/DOCKET NUMBER: 2307U-053120
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..7
OTHER INFORMATION: /standard name="Sph-II binding"
OTHER INFORMATION: site in SV40"
US-08-615-170-10

Query Match 100.0%; Score 5; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.4e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
Db 5 GTATG 1

RESULT 5
US-08-615-170-12/C
Sequence 12, Application US/08615170
Patent No. 5776776
GENERAL INFORMATION:
APPLICANT: ORDAHL, Charles P.
APPLICANT: AZARIE, Anthony
APPLICANT: MAR, Janet H.
APPLICANT: FARRANCE, Iain K.G.
APPLICANT: HALL, Deborah E.
APPLICANT: STEWART, Alexandre F.R.
APPLICANT: LARKIN, Sarah B.
TITLE OF INVENTION: DPEP-1 ISOFORMS AND USES THEREOF
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,170
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/01526
FILING DATE: 06-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/191,493
FILING DATE: 04-FEB-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Heslin, James M.
REGISTRATION NUMBER: 29,541
REFERENCE/DOCKET NUMBER: 2307U-053120
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..7
OTHER INFORMATION: /standard name="Rat beta-Myosin"
OTHER INFORMATION: Heavy Chain M-CAT binding element"
US-08-615-170-12

Query Match 100.0%; Score 5; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.4e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
Db 5 GTATG 1

RESULT 6
US-09-048-927-3
Sequence 3, Application US/09048927
Patent No. 6147056
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Yaer, Mina
APPLICANT: Eiler, Mark
TITLE OF INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: BU94-68A2
CURRENT APPLICATION NUMBER: US/09/048,927
CURRENT FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 7
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: DNA Fragment
US-09-048-927-3

Query Match 100.0%; Score 5; DB 3; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.4e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
Db 2 GTATG 6

RESULT 7
US-09-142-593-11/C
Sequence 11, Application US/09142593
Patent No. 6489458
GENERAL INFORMATION:
APPLICANT: HACKETT ET AL.
TITLE OF INVENTION: DNA-BASED TRANSPORT SYSTEM FOR THE
INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: MUEYING, RAASCH & GERHARDT, P.A.
STREET: 119 NORTH FOURTH STREET, SUITE 203
CITY: MINNEAPOLIS
STATE: MINNESOTA
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/142,593
FILING DATE: 10-SEP-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/040,664
FILING DATE: 11-MAR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/053,868
FILING DATE: 28-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/065,303
FILING DATE: 13-NOV-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US98/04687
FILING DATE: 11-MAR-1998
ATTORNEY/AGENT INFORMATION:
NAME: SANDBERG, VICTORIA A.
REGISTRATION NUMBER: 41,287
REFERENCE/DOCKET NUMBER: 110,00450101
TELECOMMUNICATION INFORMATION:
TELEPHONE: 612-305-1226
TELEFAX: 612-305-1228
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-142-593-11

Query Match 100.0%; Score 5; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 2.1e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
Db 6 GTATG 2

RESULT 8
US-09-927-886-17/c
Sequence 17, Application US/09227886
Patent No. 6613752
GENERAL INFORMATION:
APPLICANT: Kant, Mark A.
APPLICANT: Yant, Stephen
TITLE OF INVENTION: Methods of In Vivo Gene Transfer Using a
TITLE OF INVENTION: Sleeping Beauty Transposon System
FILE REFERENCE: STAN-160CIP
CURRENT APPLICATION NUMBER: US/09/927,886
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/162,279
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: 09/440,301
PRIOR FILING DATE: 1999-11-17
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17
LENGTH: 8
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: transposon repeat sequence
US-09-927-886-17

Query Match 100.0%; Score 5; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 2.1e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
Db 6 GTATG 2

RESULT 9
US-09-617-543-5
Sequence 5, Application US/09617543
Patent No. 6849776
GENERAL INFORMATION:
APPLICANT: KIVSHINOV, Viktor
APPLICANT: KOIVU, Klemo
APPLICANT: KANERVA, Anne
APPLICANT: PEHY, Elja
TITLE OF INVENTION: MOLECULAR CONTROL OF TRANSGENE SEGREGATION AND ESCAPE
TITLE OF INVENTION: BY RECOVERABLE BLOCK OF FUNCTION (RBF) SYSTEM
FILE REFERENCE: KIVSHINOV-1
CURRENT APPLICATION NUMBER: US/09/617,543
CURRENT FILING DATE: 2000-07-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 8
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Combined DNA/RNA Molecule: -
OTHER INFORMATION: Description of Artificial Sequence: -
OTHER INFORMATION: 5' exon/intron boundary site.
US-09-617-543-5

Query Match 100.0%; Score 5; DB 3; Length 8;
Best Local Similarity 60.0%; Pred. No. 2.1e+08;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
Db 3 GDAUG 7

RESULT 10
US-08-583-276-1
Sequence 1, Application US/08583276
Patent No. 5837536
GENERAL INFORMATION:
APPLICANT: McDonagh, Kevin T.
APPLICANT: Tolstoshev, Paul
APPLICANT: Tolstoshev, Paul
TITLE OF INVENTION: IMPROVED EXPRESSION OF HUMAN
TITLE OF INVENTION: MULTIDRUG RESISTANCE GENES AND IMPROVED
TITLE OF INVENTION: SELECTION OF CELLS TRANSFECTED WITH SUCH GENES
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSER: Carella, Byrne, Bain, Gillfillan,
ADDRESSEE: Cecchi & Stewart
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: New Jersey
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch diskette
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: DM4.V2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,276
FILING DATE: 05-JAN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/332,444
FILING DATE: 31-OCT-1994

APPLICATION NUMBER: 07/887,712
FILING DATE: 22-MAY-1992
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 bases
TYPE: nucleic acid
STRANDEDNESS: singular
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
US-08-583-276-1

Query Match 100.0%; Score 5; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
DB 4 GTATG 8

RESULT 11
US-08-646-789A-8
Sequence 8, Application US/08646789A
Patent No. 6022863
GENERAL INFORMATION:
APPLICANT: Peyman, John A.
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSER: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/646,789A
FILING DATE: May 21, 1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6523-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-646-789A-8

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
DB 1 GTATG 5

RESULT 12
US-08-646-789A-80

Sequence 80, Application US/08646789A
Patent No. 6022863
GENERAL INFORMATION:
APPLICANT: Peyman, John A.
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSER: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/646,789A
FILING DATE: May 21, 1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6523-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 80:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
US-08-646-789A-80

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 60.0%; Pred. No. 1.8e+08;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|:|:|
DB 1 GUATG 5

RESULT 13
US-09-048-927-1
Sequence 1, Application US/09048927
Patent No. 6147056
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Yaar, Mina
APPLICANT: Ellier, Mark
TITLE OF INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: BU94-68A2
CURRENT APPLICATION NUMBER: US/09/048,927
EARLIER FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 1
LENGTH: 9
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: DNA Fragment
US-09-048-927-1

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
DB 3 GTATG 7

RESULT 14
US-09-319-648-68/c

; Sequence 68; Application US/09319648
; Patent No. 6451530
; GENERAL INFORMATION:

; APPLICANT: Hawkins, Mary
; TITLE OF INVENTION: Fluorescent Nucleotide Analog Hairpin

; FORMATION for Detection of Nucleic Acid Hybridization
; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESS: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California

; COUNTRY: USA

; ZIP: 94111-3834

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/319,648
; FILING DATE: 30-Jul-1999

; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US 60/032,844
; FILING DATE: 13-DEC-1996

; APPLICATION NUMBER: WO PCT/US97/22448
; FILING DATE: 10-DEC-1997

; ATTORNEY/AGENT INFORMATION:
; NAME: Pang, Carol

; REGISTRATION NUMBER: 48,631
; REFERENCE/DOCKET NUMBER: 015280-288100US

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200

; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 9 base pairs
; TYPE: nucleic acid

; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:

US-09-319-648-68

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
DB 7 GTATG 3

RESULT 15
US-10-096-596-32/c

; Sequence 32; Application US/10096596
; Patent No. 6746845
; GENERAL INFORMATION:

; APPLICANT: Kinzler, Kenneth W
; APPLICANT: Vogelstein, Bert

; APPLICANT: Velculescu, Victor
; APPLICANT: Zhang, Lin
; TITLE OF INVENTION: METHOD FOR SERIAL ANALYSIS OF GENE EXPRESSION
; FILE REFERENCE: 001107.00242
; CURRENT APPLICATION NUMBER: US/10/096,596
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: US 08/527,154
; PRIOR FILING DATE: 1995-09-12
; PRIOR APPLICATION NUMBER: US 08/544,861
; PRIOR FILING DATE: 1995-10-18
; PRIOR APPLICATION NUMBER: US 09/107,228
; PRIOR FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 32
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-096-596-32

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
DB 7 GTATG 3

Search completed: January 6, 2006, 15:49:40
Job time : 32.6667 secs

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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:54 / Search time 69.6667 Seconds
(without alignments)
280.668 Million cell updates/sec

Title: US-09-540-843-5
Perfect score: 11
Sequence: 1 gttcagggttag 11

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1513280

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/1/COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5/COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A/COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B/COMB.seq:*
5: /cgn2_6/ptodata/1/ina/H/COMB.seq:*
6: /cgn2_6/ptodata/1/ina/PC/US/COMB.seq:*
7: /cgn2_6/ptodata/1/ina/PP/COMB.seq:*
8: /cgn2_6/ptodata/1/ina/RG/COMB.seq:*
9: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	11	100.0	11	2	US-08-330-123A-2
2	11	100.0	11	2	US-08-482-115B-2
3	11	100.0	11	2	US-08-660-678A-2
4	11	100.0	11	2	US-08-531-743-11
5	11	100.0	11	2	US-08-531-743-12
6	11	100.0	11	2	US-08-485-778-36
7	11	100.0	11	2	US-08-472-802C-3
8	11	100.0	11	2	US-08-520-550A-36
9	11	100.0	11	3	US-08-630-019A-9
10	11	100.0	11	3	US-08-630-019A-30
11	11	100.0	11	3	US-08-630-019A-39
12	11	100.0	11	3	US-08-838-545-13
13	11	100.0	11	3	US-08-838-545-31
14	11	100.0	11	3	US-08-838-545-44
15	11	100.0	11	3	US-08-998-443-2
16	11	100.0	11	3	US-09-060-523-2
17	11	100.0	11	3	US-09-349-532-13
18	11	100.0	11	3	US-09-349-532-31
19	11	100.0	11	3	US-09-349-532-44
20	11	100.0	11	3	US-09-580-517-2
21	11	100.0	11	3	US-09-057-351-2
22	11	100.0	11	3	US-09-657-445A-1
23	11	100.0	11	3	US-09-835-370-63
24	11	100.0	11	3	US-10-463-076-1

25	11	100.0	12	3	US-08-630-019A-10	Sequence 10, Appl
26	11	100.0	12	3	US-08-838-545-8	Sequence 8, Appl
27	11	100.0	12	3	US-09-349-532-8	Sequence 8, Appl
28	11	100.0	13	3	US-08-630-019A-11	Sequence 11, Appl
29	11	100.0	13	3	US-08-630-019A-15	Sequence 15, Appl
30	11	100.0	13	3	US-08-838-545-1	Sequence 1, Appl
31	11	100.0	13	3	US-08-838-545-12	Sequence 12, Appl
32	11	100.0	13	3	US-09-349-532-1	Sequence 1, Appl
33	11	100.0	13	3	US-09-349-532-12	Sequence 12, Appl
34	11	100.0	13	3	US-09-657-445A-8	Sequence 8, Appl
35	11	100.0	13	3	US-10-463-076-8	Sequence 8, Appl
36	11	100.0	15	2	US-08-531-743-4	Sequence 4, Appl
37	11	100.0	15	3	US-08-630-019A-12	Sequence 12, Appl
38	11	100.0	15	3	US-08-630-019A-18	Sequence 18, Appl
39	11	100.0	15	3	US-08-630-019A-40	Sequence 40, Appl
40	11	100.0	15	3	US-08-838-545-2	Sequence 2, Appl
41	11	100.0	15	3	US-08-838-545-5	Sequence 5, Appl
42	11	100.0	15	3	US-08-838-545-45	Sequence 45, Appl
43	11	100.0	15	3	US-09-349-532-2	Sequence 2, Appl
44	11	100.0	15	3	US-09-349-532-5	Sequence 5, Appl
45	11	100.0	15	3	US-09-349-532-45	Sequence 45, Appl

ALIGNMENTS

RESULT 1
US-08-330-123A-2/c
Sequence 2, Application US/08330123A
Patent No. 5583016
GENERAL INFORMATION:
APPLICANT: VILLEPONTBAU, Bryant
APPLICANT: FENG, Junli
APPLICANT: FENG, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STATE: California
COUNTRY: US
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000810
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR TYPE: RNA
US-08-330-123A-2
Query Match 100.0%; Score 11; DB 2; Length 11;

Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11
11 GTTAGGTTAG 1

RESULT 2

US-08-482-115B-2/c
Sequence 2, Application US/08482115B
Patent No. 576679
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000830US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
US-08-482-115B-2

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11
11 GTTAGGTTAG 1

RESULT 3

US-08-660-678A-2/c
Sequence 2, Application US/08660678A
Patent No. 5837857
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant

APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678A
FILING DATE: 05-JUN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
US-08-660-678A-2

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11
11 GTTAGGTTAG 1

RESULT 4

US-08-531-743-11
Sequence 11, Application US/08531743
Patent No. 5856096
GENERAL INFORMATION:
APPLICANT: Windle, Bradford B.
APPLICANT: Qiu, Ming
APPLICANT: Chen, Shi-fong
APPLICANT: Fletcher, Terace M.
APPLICANT: Maine, Ira
TITLE OF INVENTION: Rapid and Sensitive Assays for Detecting and
TITLE OF INVENTION: Distinguishing Between Processive and
TITLE OF INVENTION: No. 5856096-Processive Telomerase Activities
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,743
FILING DATE: 20-SEP-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: CTCR:026/HYL
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-531-743-11

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11
Db 1 GTTAGGTTAG 11

RESULT 5
US-08-531-743-12/c
Sequence 12, Application US/08531743
Patent No. 5856096
GENERAL INFORMATION:
APPLICANT: Windle, Bradford E.
APPLICANT: Qiu, Ming
APPLICANT: Chen, Shi-fong
APPLICANT: Fletcher, Terace M.
APPLICANT: Maine, Ira
TITLE OF INVENTION: Rapid and Sensitive Assays for Detecting and
TITLE OF INVENTION: Distinguishing Between Processive and
TITLE OF INVENTION: No. 5856096-Processive Telomerase Activities
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,743
FILING DATE: 20-SEP-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: CTCR:026/HYL
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-531-743-12

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11
Db 1 GTTAGGTTAG 1

RESULT 6
US-08-485-778-36/c
Sequence 36, Application US/08485778
Patent No. 5876979
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
APPLICANT: Avilion, Ariel Athena
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhenda, Maria Antonia Biasco
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-JE-1995
CLASSIFICATION: 435
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-485-778-36

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11

Db 11 GTTAGGGTTAG 1

RESULT 7

US-08-472-802C-3/C
Sequence 3, Application US/08472802C
Patent No. 5958680
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
City: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William W.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
US-08-472-802C-3

Query Match 100.0%; Score 11; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;

QY 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 8

US-08-520-550A-36/C
Sequence 36, Application US/08520550A
Patent No. 6013468
GENERAL INFORMATION:
APPLICANT: Andrews, William H.
APPLICANT: Avillion, Ariel A.
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Mathuenda, Maria A. B.
APPLICANT: Villeponteau, Bryant

TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millitia Drive
City: Lexington
STATE: MA
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-AUG-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: GSH194-05A3B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-9540
TELEFAX: 617-861-6240
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-520-550A-36

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;

QY 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 9

US-08-630-019A-9
Sequence 9, Application US/08630019A
Patent No. 6015710
GENERAL INFORMATION:
APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring E.
APPLICANT: Piatyszek, Mieczyslaw A.
APPLICANT: Corey, David
APPLICANT: No. 6015710ton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase by
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
City: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,019A
FILING DATE: 09-JUN-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001600US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "peptide nucleic acid (PNA), where (deoxy)ribose-phosphate linkages are replaced by (deoxy)ribose-phosphate linkages linked to nucleotide bases via N-(2-aminoethyl)glycine units linked to nucleotide bases via glycine amino nitrogen through a methylenecarbonyl linker"
US-08-630-019A-9

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 10
US-08-630-019A-30/C
Sequence 30, Application US/08630019A
Patent No. 6015710
GENERAL INFORMATION:
APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring B.
APPLICANT: Piatysek, Mieczyslaw A.
APPLICANT: Corey, David
APPLICANT: No. 6015710ton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase by
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,019A
FILING DATE: 09-JUN-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001600US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
US-08-630-019A-30

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 11
US-08-630-019A-39
Sequence 39, Application US/08630019A
Patent No. 6015710
GENERAL INFORMATION:
APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring B.
APPLICANT: Piatysek, Mieczyslaw A.
APPLICANT: Corey, David
APPLICANT: No. 6015710ton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase by
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,019A
FILING DATE: 09-JUN-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001600US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "phosphorothioate (PS) nucleic acid"
US-08-630-019A-39

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 12

US-08-838-545-13
Sequence 13, Application US/08838545
Patent No. 6046307
GENERAL INFORMATION:
APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring B.
APPLICANT: Piatysek, Mieczyslaw A.
APPLICANT: Corey, David R.
TITLE OF INVENTION: Modulation of Mammalian Telomerase by
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,545
FILING DATE: 09-APR-1997
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/630,019
FILING DATE: 09-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR TYPE: other nucleic acid
DESCRIPTION: /desc = "peptide nucleic acid (PNA),
DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
DESCRIPTION: glycine amino N through a methylene-carbonyl linker"
US-08-838-545-13
Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11
RESULT 13
US-08-838-545-31/c
Sequence 31, Application US/08838545
Patent No. 6046307
GENERAL INFORMATION:
APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring B.
APPLICANT: Piatysek, Mieczyslaw A.
APPLICANT: Corey, David R.
APPLICANT: No. 6046307ton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase by
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 60

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,545
FILING DATE: 09-APR-1997
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/630,019
FILING DATE: 09-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULAR TYPE: other nucleic acid
DESCRIPTION: /desc = "peptide nucleic acid (PNA),
DESCRIPTION: where (deoxy(ribose-phosphate linkages are replaced by
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
DESCRIPTION: glycine amino N through a methylene-carbonyl linker"
US-08-838-545-31
Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1
RESULT 14
US-08-838-545-44
Sequence 44, Application US/08838545
Patent No. 6046307
GENERAL INFORMATION:
APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring B.
APPLICANT: Piatysek, Mieczyslaw A.
APPLICANT: Corey, David R.
APPLICANT: No. 6046307ton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase by
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/838,545
FILING DATE: 09-APR-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/630,019
FILING DATE: 09-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SRO ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "phosphorothioate (PS)
DESCRIPTION: nucleic acid"
US-08-838-545-44

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
DB 1 GTTAGGGTTAG 11

RESULT 15
US-08-998-443-2/c
Sequence 2, Application US/08998443
Patent No. 6054575
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SRO ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
US-08-998-443-2

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 6.8e+02; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
DB 1 GTTAGGGTTAG 1

Search completed: January 6, 2006, 15:49:40
Job time : 69.6667 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:54 ; Search time 31.6667 Seconds
(without alignments)
280.668 Million cell updates/sec

Title: US-09-540-843-6

Perfect score: 5

Sequence: 1 catcac 5

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1513280

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	5	100.0	5	US-08-855-372B-20	Sequence 20, Appl
C 2	5	100.0	5	US-09-048-927-4	Sequence 4, Appl
C 3	5	100.0	5	US-09-498-851-20	Sequence 10, Appl
C 4	5	100.0	7	US-08-615-170-10	Sequence 12, Appl
C 5	5	100.0	7	US-08-615-170-12	Sequence 3, Appl
C 6	5	100.0	7	US-09-048-927-3	Sequence 11, Appl
C 7	5	100.0	8	US-09-142-593-11	Sequence 17, Appl
C 8	5	100.0	8	US-09-927-886-17	Sequence 5, Appl
C 9	5	100.0	8	US-09-617-543-5	Sequence 1, Appl
C 10	5	100.0	9	US-08-583-276-1	Sequence 8, Appl
C 11	5	100.0	9	US-08-646-789A-8	Sequence 80, Appl
C 12	5	100.0	9	US-08-646-789A-80	Sequence 1, Appl
C 13	5	100.0	9	US-09-048-927-1	Sequence 68, Appl
C 14	5	100.0	9	US-09-319-646-58	Sequence 32, Appl
C 15	5	100.0	9	US-10-096-596-32	Sequence 27, Appl
C 16	5	100.0	10	US-08-335-565A-27	Sequence 1, Appl
C 17	5	100.0	10	US-08-250-951-1	Sequence 1, Appl
C 18	5	100.0	10	US-08-233-233-1	Sequence 422, App
C 19	5	100.0	10	US-08-223-177A-422	Sequence 23, Appl
C 20	5	100.0	10	US-08-351-748-23	Sequence 25, Appl
C 21	5	100.0	10	US-08-351-748-25	Sequence 23, Appl
C 22	5	100.0	10	US-08-202-927-25	Sequence 25, Appl
C 23	5	100.0	10	US-08-430-536A-23	Sequence 25, Appl
C 24	5	100.0	10	US-08-430-536A-25	Sequence 25, Appl

C 25	5	100.0	10	US-08-171-718-45	Sequence 45, Appl
C 26	5	100.0	10	US-08-703-601-1	Sequence 1, Appl
C 27	5	100.0	10	US-08-684-547-23	Sequence 23, Appl
C 28	5	100.0	10	US-08-684-547-25	Sequence 174, App
C 29	5	100.0	10	US-08-469-318-174	Sequence 14, App
C 30	5	100.0	10	US-08-468-609A-174	Sequence 45, Appl
C 31	5	100.0	10	US-08-478-087-45	Sequence 24, Appl
C 32	5	100.0	10	US-09-063-450-24	Sequence 33, Appl
C 33	5	100.0	10	US-09-063-450-33	Sequence 1, Appl
C 34	5	100.0	10	US-09-123-638-1	Sequence 30, Appl
C 35	5	100.0	10	US-08-646-695-30	Sequence 31, Appl
C 36	5	100.0	10	US-08-875-533-31	Sequence 14, App
C 37	5	100.0	10	US-08-446-872A-174	Sequence 1, Appl
C 38	5	100.0	10	US-09-724-753-1	Sequence 174, App
C 39	5	100.0	10	US-08-762-277A-174	Sequence 23, Appl
C 40	5	100.0	10	US-09-475-847A-23	Sequence 34, Appl
C 41	5	100.0	10	US-09-427-834A-34	Sequence 7, Appl
C 42	5	100.0	10	US-09-445-888A-7	Sequence 252, App
C 43	5	100.0	10	US-09-508-753B-252	Sequence 265, App
C 44	5	100.0	10	US-09-508-753B-265	Sequence 273, App
C 45	5	100.0	10	US-09-508-753B-273	

ALIGNMENTS

RESULT 1
US-08-855-372B-20/c
Sequence 20, Application US/08855372B
Patent No. 6090549
GENERAL INFORMATION:
APPLICANT: Mirzabekov, Andrei D
APPLICANT: Parinov, Sergei V
APPLICANT: Barsky, Victor E
APPLICANT: Kirillov, Eugene V
APPLICANT: Dubliley, Svetlana A
TITLE OF INVENTION: Use of Continuous/Contiguous Stacking Hybridization as a Diag
NUMBER OF SEQUENCES: 88
CORRESPONDENCE ADDRESS:
ADDRESSEE: CHERSKOV & FLAYNIK
STREET: 20 N. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.50 inch, 1.4 MB storage
COMPUTER: PC
OPERATING SYSTEM: Microsoft Windows 98
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/855,372B
FILING DATE: 13-MAY-97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. 08/587,332
FILING DATE: 16-JAN-96
ATTORNEY/AGENT INFORMATION:
NAME: Cherskov, Michael J.
REGISTRATION NUMBER: 33,664
REFERENCE/DOCKET NUMBER: ANT-IN-95-027
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 621-1330
TELEFAX: (312) 621-0088
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 bases
TYPE: nucleic acid
STRANDEDNESS: No. 6090549 Applicable
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
HYPOTHEICAL: Yes
US-08-855-372B-20

Query Match 100.0%; Score 5; DB 3; Length 5;
 Best Local Similarity 100.0%; Pred. No. 3.3e+08;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 CATAC 5
 Db 5 CATAC 1

RESULT 2
 US-09-048-927-4/c
 ; Sequence 4; Application US/09048927
 ; Patent No. 6147056
 ; GENERAL INFORMATION:
 ; APPLICANT: Gilchrist, Barbara A.
 ; APPLICANT: Yaar, Mina
 ; APPLICANT: Eller, Mark
 ; TITLE OF INVENTION: Use of Locally Applied DNA Fragments
 ; FILE REFERENCE: BU94-68A2
 ; CURRENT APPLICATION NUMBER: US/09/048,927
 ; CURRENT FILING DATE: 1998-03-26
 ; EARLIER APPLICATION NUMBER: 08/952,697
 ; EARLIER FILING DATE: 1996-06-03
 ; EARLIER APPLICATION NUMBER: 08/467,012
 ; EARLIER FILING DATE: 1995-06-06
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO 4
 ; LENGTH: 5
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: DNA Fragment
 ; US-09-048-927-4

Query Match 100.0%; Score 5; DB 3; Length 5;
 Best Local Similarity 100.0%; Pred. No. 3.3e+08;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 CATAC 5
 Db 5 CATAC 1

RESULT 3
 US-09-498-851-20/c
 ; Sequence 20; Application US/09498851
 ; Patent No. 6440671
 ; GENERAL INFORMATION:
 ; APPLICANT: Mirzadekov, Andrei D
 ; APPLICANT: Parinov, Sergei V
 ; APPLICANT: Barsky, Victor B
 ; APPLICANT: Kirillov, Eugene V
 ; APPLICANT: Dubiley, Svetlana A
 ; TITLE OF INVENTION: Use of Continuous/Contiguous
 ; TITLE OF INVENTION: Stacking Hybridization as a Diagnostic Tool.
 ; NUMBER OF SEQUENCES: 88
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CHERSKOV & FLAYNIK
 ; STREET: 20 N. Wacker Drive
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: United States
 ; ZIP: 60606
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.50 inch, 1.4 MB storage
 ; COMPUTER: PC
 ; OPERATING SYSTEM: Microsoft Windows 98
 ; SOFTWARE: Wordperfect
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/498,851
 ; FILING DATE:
 ; PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/855,372
 FILING DATE: 13-MAY-97
 APPLICATION NUMBER: U.S. 08/587,332
 FILING DATE: 16-JAN-96
 ATTORNEY/AGENT INFORMATION:
 NAME: Cherskov, Michael J.
 REGISTRATION NUMBER: 33,664
 REFERENCE/DOCKET NUMBER: ANT-IN-95-027
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (312) 621-1330
 TELEFAX: (312) 621-0088
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 5 bases
 TYPE: nucleic acid
 STRANDEDNESS: No. 6440671 Applicable
 TOPOLOGY: linear
 MOLECULAR TYPE: Genomic DNA
 ; US-09-498-851-20

Query Match 100.0%; Score 5; DB 3; Length 5;
 Best Local Similarity 100.0%; Pred. No. 3.3e+08;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 CATAC 5
 Db 5 CATAC 1

RESULT 4
 US-08-615-170-10
 ; Sequence 10; Application US/08615170
 ; Patent No. 5776776
 ; GENERAL INFORMATION:
 ; APPLICANT: ORDAHL, Charles P.
 ; APPLICANT: AZAKIE, Anthony
 ; APPLICANT: MAR, Janet H.
 ; APPLICANT: FARRANCE, Iain K.G.
 ; APPLICANT: HALL, Deborah E.
 ; APPLICANT: STEWART, Alexandre F.R.
 ; APPLICANT: LARKIN, Sarah B.
 ; TITLE OF INVENTION: DTEP-1 ISOFORMS AND USES THEREOF
 ; NUMBER OF SEQUENCES: 32
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Townsend and Townsend Kourie and Crew
 ; STREET: Stewart Street Tower, One Market Plaza
 ; CITY: San Francisco
 ; STATE: California
 ; COUNTRY: US
 ; ZIP: 94105-1493
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/615,170
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US95/01526
 ; FILING DATE: 06-FEB-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/191,493
 ; FILING DATE: 04-FEB-1994
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Heblin, James M.
 ; REGISTRATION NUMBER: 29,541
 ; REFERENCE/DOCKET NUMBER: 2307U-053120
 ; TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..7
OTHER INFORMATION: /standard_name="Sph-I binding"
OTHER INFORMATION: site in SV40"
US-08-615-170-10

Query Match 100.0%; Score 5; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.4e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 1 CATAC 5

RESULT 5

US-08-615-170-12
Sequence 12, Application US/08615170
Patent No. 5776776
GENERAL INFORMATION:
APPLICANT: ORDAHL, Charles P.
APPLICANT: AZARIE, Anthony
APPLICANT: MAR, Janet H.
APPLICANT: PARANCE, Iain K.G.
APPLICANT: HALL, Deborah E.
APPLICANT: STEWART, Alexandre F.R.
APPLICANT: LARKIN, Sarah B.
TITLE OF INVENTION: DTEF-1 ISOFORMS AND USES THEREOF
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend Kourie and Crew
STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,170
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/01526
FILING DATE: 06-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/191,493
FILING DATE: 04-FEB-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Heallin, James M.
REGISTRATION NUMBER: 29,541
REFERENCE/DOCKET NUMBER: 2307U-053120
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..7
OTHER INFORMATION: /standard_name="Rat beta-Myosin"
OTHER INFORMATION: Heavy Chain M-CAT binding element"
US-08-615-170-12

Query Match 100.0%; Score 5; DB 2; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.4e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 1 CATAC 5

RESULT 6

US-09-048-927-3/c
Sequence 3, Application US/09048927
Patent No. 6147056
GENERAL INFORMATION:
APPLICANT: Gilchrest, Barbara A.
APPLICANT: Yaar, Mina
APPLICANT: Eller, Mark
TITLE OF INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: B094-68A2
CURRENT APPLICATION NUMBER: US/09/048,927
CURRENT FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 7
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: DNA Fragment
US-09-048-927-3

Query Match 100.0%; Score 5; DB 3; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.4e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 6 CATAC 2

RESULT 7

US-09-142-593-11
Sequence 11, Application US/09142593
Patent No. 6489458
GENERAL INFORMATION:
APPLICANT: HACKETT ET AL.
TITLE OF INVENTION: DNA-BASED TRANSPORT SYSTEM FOR THE
INTRODUCTION OF NUCLEIC ACID INTO DNA OF A CELL
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSES: MUEITING, RAASCH & GEBHARDT, P.A.
STREET: 119 NORTH FOURTH STREET, SUITE 203
CITY: MINNEAPOLIS
STATE: MINNESOTA
COUNTRY: USA
ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/142,593
FILING DATE: 10-SEP-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/040,664
FILING DATE: 11-MAR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/053,868
FILING DATE: 28-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/065,303
FILING DATE: 13-NOV-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US98/04687
FILING DATE: 11-MAR-1998
ATTORNEY/AGENT INFORMATION:
NAME: SANDBERG, VICTORIA A.
REGISTRATION NUMBER: 41,287
REFERENCE/DOCKET NUMBER: 110.00450101
TELEPHONE: 612-305-1226
TELEFAX: 612-305-1228
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-142-593-11

Query Match 100.0%; Score 5; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 2.1e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 2 CATAC 6

RESULT 8
US-09-927-886-17
Sequence 17, Application US/0927886
Patent No. 6613752
GENERAL INFORMATION:
APPLICANT: Kay, Mark A.
APPLICANT: Yant, Stephen
TITLE OF INVENTION: Methods of In Vivo Gene Transfer Using a
FILE REFERENCE: STAN-160CIP
CURRENT APPLICATION NUMBER: US/09/927,886
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 60/162,279
PRIOR FILING DATE: 1999-10-28
PRIOR APPLICATION NUMBER: 09/440,301
PRIOR FILING DATE: 1999-11-17
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17
LENGTH: 8
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: transposon repeat sequence
US-09-927-886-17

Query Match 100.0%; Score 5; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 2.1e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 2 CATAC 6

RESULT 9
US-09-617-543-5/c
Sequence 5, Application US/09617543
Patent No. 6849776
GENERAL INFORMATION:
APPLICANT: KUVSHINOV, Viktor
APPLICANT: KOIVU, Kimmo
APPLICANT: KANERVA, Anne
APPLICANT: PEHY, Elja
TITLE OF INVENTION: MOLECULAR CONTROL OF TRANSGENE SEGREGATION AND ESCAPE
FILE REFERENCE: KUVSHINOV=1
CURRENT APPLICATION NUMBER: US/09/617,543
CURRENT FILING DATE: 2000-07-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 8
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Combined DNA/RNA Molecule: -
OTHER INFORMATION: 5' exon/intron boundary site.
US-09-617-543-5

Query Match 100.0%; Score 5; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 2.1e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 7 CATAC 3

RESULT 10
US-08-583-276-1/c
Sequence 1, Application US/08583276
Patent No. 5837536
GENERAL INFORMATION:
APPLICANT: McDonagh, Kevin T.
APPLICANT: Nienhuis, Arthur
APPLICANT: Tolstobhev, Paul
TITLE OF INVENTION: IMPROVED EXPRESSION OF HUMAN
TITLE OF INVENTION: MULTIDRUG RESISTANCE GENES AND IMPROVED
TITLE OF INVENTION: SELECTION OF CELLS TRANSFECTED WITH SUCH GENES
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESSER: Carella, Byrne, Bain, Gillilan,
ADDRESSER: Cecchi & Stewart
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: New Jersey
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch diskette
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: DM4.V2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,276
FILING DATE: 05-JAN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/332,444
FILING DATE: 31-OCT-1994

APPLICATION NUMBER: 07/887,712
FILING DATE: 22-MAY-1992
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 bases
TYPE: nucleic acid
STRANDEDNESS: singular
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: Genomic DNA
US-08-583-276-1

Query Match 100.0%; Score 5; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 8 CATAC 4

RESULT 11
US-08-646-789A-8/c
Sequence 8, Application US/08646789A
Patent No. 6022863
GENERAL INFORMATION:
APPLICANT: Peyman, John A.
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION.
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/646,789A
FILING DATE: May 21, 1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6523-006
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-646-789A-8

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 5 CATAC 1

RESULT 12
US-08-646-789A-80/c

Sequence 80, Application US/08646789A
Patent No. 6022863
GENERAL INFORMATION:
APPLICANT: Peyman, John A.
TITLE OF INVENTION: REGULATION OF GENE EXPRESSION
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/646,789A
FILING DATE: May 21, 1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 6523-006
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 80:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
US-08-646-789A-80

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 5 CATAC 1

RESULT 13
US-09-048-927-1/c
Sequence 1, Application US/09048927
Patent No. 6147056
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Yaar, Mina
TITLE OF INVENTION: Use of Locally Applied DNA Fragments
FILE REFERENCE: BU94-68A2
CURRENT APPLICATION NUMBER: US/09/048,927
CURRENT FILING DATE: 1998-03-26
EARLIER APPLICATION NUMBER: 08/952,697
EARLIER FILING DATE: 1996-06-03
EARLIER APPLICATION NUMBER: 08/467,012
EARLIER FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 9
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: DNA Fragment
US-09-048-927-1

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 7 CATAC 3

RESULT 14

US-09-319-648-68
Sequence 68, Application US/09319648
Patent No. 6451530

GENERAL INFORMATION:

APPLICANT: Hawking, Mary
TITLE OF INVENTION: Fluorescent Nucleotide Analog Hairpin
Formation for Detection of Nucleic Acid Hybridization
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:

ADDRESSER: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
City: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/319,648
FILING DATE: 30-Jul-1999
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/032,844
FILING DATE: 13-DEC-1996
APPLICATION NUMBER: WO PCT/US97/22448
FILING DATE: 10-DEC-1997
ATTORNEY/AGENT INFORMATION:

NAME: Pang, Carol
REGISTRATION NUMBER: 48,631
REFERENCE/DOCKET NUMBER: 015280-288100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 68:

SEQUENCE CHARACTERISTICS:
LENGTH: 9 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA

SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-319-648-68

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 3 CATAC 7

RESULT 15

US-10-096-596-32
Sequence 32, Application US/10096596
Patent No. 6746845

GENERAL INFORMATION:

APPLICANT: Kinzler, Kenneth W
APPLICANT: Vogelstein, Bert

APPLICANT: Velculescu, Victor
APPLICANT: Zhang, Lin
TITLE OF INVENTION: METHOD FOR SERIAL ANALYSIS OF GENE EXPRESSION
FILE REFERENCE: 001107.00242
CURRENT APPLICATION NUMBER: US/10/096,596

CURRENT FILING DATE: 2002-03-14
PRIOR APPLICATION NUMBER: US 08/527,154
PRIOR FILING DATE: 1995-09-12
PRIOR APPLICATION NUMBER: US 08/544,861
PRIOR FILING DATE: 1995-10-18
PRIOR APPLICATION NUMBER: US 09/107,228
PRIOR FILING DATE: 1998-06-30
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin version 3.1
SEQ ID NO 32

LENGTH: 9
TYPE: DNA
ORGANISM: Homo sapiens
US-10-096-596-32

Query Match 100.0%; Score 5; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.8e+08;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 3 CATAC 7

Search completed: January 6, 2006, 15:49:40
Job time : 31.6667 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:54 ; Search time 126.667 Seconds
(without alignments)
280.668 Million cell updates/sec

Title: US-09-540-843-8

Perfect score: 20

Sequence: 1 gcatcgcattcattcagcagc 20

Scoring table: IDENTITY NUC
Gap 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1513280

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

1: Issued_Patents_NA.*
2: /cgn2_6/ptodata/1/lna/1 COMB.seq.*
3: /cgn2_6/ptodata/1/lna/5 COMB.seq.*
4: /cgn2_6/ptodata/1/lna/6B COMB.seq.*
5: /cgn2_6/ptodata/1/lna/H COMB.seq.*
6: /cgn2_6/ptodata/1/lna/PCVUS COMB.seq.*
7: /cgn2_6/ptodata/1/lna/PP COMB.seq.*
8: /cgn2_6/ptodata/1/lna/RG COMB.seq.*
9: /cgn2_6/ptodata/1/lna/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	13.8	69.0	162	3 US-08-956-171E-1694	Sequence 1694, Ap
2	13.8	69.0	162	3 US-08-781-986A-1694	Sequence 1694, Ap
3	13.8	69.0	196	3 US-09-513-999C-25349	Sequence 25349, A
4	13.6	68.0	58	2 US-07-982-712-34	Sequence 34, Appl
5	13.6	68.0	58	2 US-08-053-564-10	Sequence 35, Appl
6	13.4	67.0	42	2 US-08-301-872A-6	Sequence 6, Appl
7	13.4	67.0	42	2 US-08-443-372A-6	Sequence 6, Appl
8	13.4	67.0	42	2 US-08-301-872A-7	Sequence 7, Appl
9	13.4	67.0	70	2 US-08-301-872A-8	Sequence 7, Appl
10	13.4	67.0	70	2 US-08-443-372A-7	Sequence 7, Appl
11	13.4	67.0	70	2 US-08-443-372A-8	Sequence 7, Appl
12	13.4	67.0	70	2 US-08-443-372A-9	Sequence 7, Appl
13	13.2	66.0	133	3 US-09-513-999C-12286	Sequence 12286, A
14	13.2	66.0	152	3 US-09-513-999C-27989	Sequence 27989, A
15	13.2	66.0	177	3 US-09-313-284A-292	Sequence 292, App
16	12.8	64.0	25	3 US-09-396-196G-4286	Sequence 4286, Ap
17	12.8	64.0	25	3 US-09-396-196G-4287	Sequence 4287, Ap
18	12.8	64.0	182	2 US-09-513-999C-12286	Sequence 12286, A
19	12.6	63.0	26	2 US-07-720-586-7	Sequence 7, Appl
20	12.6	63.0	27	3 US-09-830-807-56	Sequence 56, Appl
21	12.6	63.0	65	3 US-09-415-582-24	Sequence 24, Appl
22	12.6	63.0	77	3 US-09-001-039B-7	Sequence 7, Appl
23	12.6	63.0	108	3 US-08-956-171E-4834	Sequence 4834, Ap
24	12.6	63.0	108	3 US-08-781-986A-4834	Sequence 4834, Ap

C 25	12.6	63.0	129	3 US-08-956-171E-4790	Sequence 4790, Ap
C 26	12.6	63.0	129	3 US-08-781-986A-4790	Sequence 4790, Ap
C 27	12.6	63.0	144	3 US-09-270-767-27187	Sequence 27187, A
C 28	12.6	63.0	145	3 US-09-513-999C-34984	Sequence 34984, A
C 29	12.6	63.0	178	3 US-09-313-294A-26	Sequence 26, Appl
C 30	12.6	63.0	178	3 US-09-270-767-26372	Sequence 26372, A
C 31	12.4	62.0	25	3 US-09-396-196G-4285	Sequence 4285, Ap
C 32	12.4	62.0	38	3 US-09-097-759-6	Sequence 6, Appl
C 33	12.4	62.0	38	3 US-09-065-104-24	Sequence 23, Appl
C 34	12.4	62.0	59	2 US-08-816-1558-23	Sequence 8, Appl
C 35	12.4	62.0	59	3 US-08-815-809-8	Sequence 8, Appl
C 36	12.4	62.0	59	3 US-09-079-1967-23	Sequence 23, Appl
C 37	12.4	62.0	138	2 US-08-600-234-5	Sequence 5, Appl
C 38	12.4	62.0	138	2 US-08-386-921-5	Sequence 13, Appl
C 39	12.4	62.0	141	2 US-08-386-921-13	Sequence 11, Appl
C 40	12.4	62.0	144	2 US-08-386-921-11	Sequence 9, Appl
C 41	12.4	62.0	147	2 US-08-386-921-9	Sequence 24987, A
C 42	12.4	62.0	159	3 US-09-513-999C-24987	Sequence 2, Appl
C 43	12.4	62.0	161	2 US-08-600-234-2	Sequence 2, Appl
C 44	12.4	62.0	161	2 US-08-386-921-2	Sequence 10, Appl
C 45	12.4	62.0	161	2 US-08-386-921-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-08-956-171E-1694
Sequence 1694, Application US/08956171E
Patent No. 6593114

GENERAL INFORMATION:
APPLICANT: Charles Kunsch
Gil H. Choi
Craig A. Rosen
Steven C. Barash
Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: P8246P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 1694:
SEQUENCE CHARACTERISTICS:
LENGTH: 162 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 1694:
US-08-956-171E-1694

Query Match 69.0%; Score 13.8; DB 3; Length 162;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 TGCATGATTACGTACG 20
DB 50 TACATGCAATACGTACG 66

RESULT 2

US-08-781-986A-1694
Sequence 1694, Application US/08781986A
Patent No. 6737248
GENERAL INFORMATION:
APPLICANT: Charles Kunach
TITLE OF INVENTION: *Staphylococcus aureus* Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 1694:
SEQUENCE CHARACTERISTICS:
LENGTH: 162 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-1694

Query Match 69.0%; Score 13.8; DB 3; Length 162;
Best Local Similarity 88.2%; Pred. No. 1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 TGCATGATTACGTACG 20
DB 50 TACATGCAATACGTACG 66

RESULT 3
US-09-513-999C-25349/C
Sequence 25349, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961

FILE REFERENCE: 59.US2.REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 25349
LENGTH: 196
TYPE: DNA
ORGANISM: *Homo sapiens*
FEATURE:
NAME/KEY: misc_feature
LOCATION: 12
OTHER INFORMATION: m=a or c
US-09-513-999C-25349

Query Match 69.0%; Score 13.8; DB 3; Length 196;
Best Local Similarity 88.2%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 ATGCATGATTACGTAC 19
DB 31 ATGCATGCTTATGTAC 15

RESULT 4

US-07-982-712-34
Sequence 34, Application US/07982712
Patent No. 5436391
GENERAL INFORMATION:
APPLICANT: Hideya FUJIMOTO, Kimiko ITOH
TITLE OF INVENTION: *Mikihito YAMAMOTO*
TITLE OF INVENTION: Insecticidal Protein-encoding Gene, Gramineous
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 144 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/982,712
FILING DATE: 19921127
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 58 bases
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
US-07-982-712-34

Query Match 68.0%; Score 13.6; DB 2; Length 58;

Best Local Similarity 80.0%; Pred. No. 1.2e+03;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCATGATGATTCAGTACG 20
DB 9 GCATGATGATTCAGTACG 28

RESULT 5

US-07-982-712-35/C
Sequence 35, Application US/07982712
Patent No. 5436391
GENERAL INFORMATION:
APPLICANT: Hideya FUJIMOTO, Kimiko ITOH
APPLICANT: Mikihito YAMAMOTO, and Ko SHIMAMOTO
TITLE OF INVENTION: Insecticidal Protein-encoding Gene, Gramineous
TITLE OF INVENTION: Plants Transformed with the Gene, and Production Thereof
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 Inch, 144 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/982,712
FILING DATE: 19921127
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 58 bases
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
US-07-982-712-35
Query Match 68.0%; Score 13.6; DB 2; Length 58;
Best Local Similarity 80.0%; Pred. No. 1.2e+03;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GCATGATGATTCAGTACG 20
DB 54 GCATGATGATTCAGTACG 35

RESULT 6

US-08-053-564-10/C
Sequence 10, Application US/08053564
Patent No. 5418153
GENERAL INFORMATION:
APPLICANT: MORI, MASASHI
APPLICANT: OKUNO, TETSURO
APPLICANT: FURUSAWA, IWAO
TITLE OF INVENTION: PROCESS FOR PRODUCTION OF
TITLE OF INVENTION: EXOGENOUS GENE OR ITS PRODUCT

TITLE OF INVENTION: IN PLANT CELLS NO.2
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue, Mion, Zinn, MacPeak &
ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20037

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
SOFTWARE: #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/053,564
FILING DATE: 28-APR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP HBI-4-152593
FILING DATE: 28-APR-1992
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-7860
TELEX: 649113
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: synthesized oligonucleotide
US-08-053-564-10

Query Match 67.0%; Score 13.4; DB 2; Length 28;
Best Local Similarity 93.3%; Pred. No. 1.5e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 CATGATGATTCAG 16
DB 20 CATGATGATTCAG 6

RESULT 7

US-08-301-872A-6
Sequence 6, Application US/08301872A
Patent No. 5580734
GENERAL INFORMATION:
APPLICANT: Treco, Douglas A.
APPLICANT: Miller, Allan M.
TITLE OF INVENTION: Library Screening Method
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/301,872A
FILING DATE: 06-SEP-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/739,861

FILING DATE: 02-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/552,183
 FILING DATE: 13-JUL-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32,227
 REFERENCE/DOCKET NUMBER: TKT90-01A2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617-861-6240
 TELEFAX: 617-861-9540
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 42 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-301-872A-6

Query Match 67.0%; Score 13.4; DB 2; Length 42;
 Best Local Similarity 93.3%; Pred. No. 1.5e+03;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 GCATGATTACGTAC 19
 DB 12 GGATGATTACGTAC 26

RESULT 8
 US-08-443-372A-6
 Sequence 6, Application US/08443372A
 Patent No. 5869239
 GENERAL INFORMATION:
 APPLICANT: Treco, Douglas A.
 APPLICANT: Miller, Allan M.
 TITLE OF INVENTION: Library Screening Method
 NUMBER OF SEQUENCES: 30
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Millitia Drive
 CITY: Lexington
 STATE: MA
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/443,372A
 FILING DATE: 17-MAY-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/301,872
 FILING DATE: 06-SEP-1994
 APPLICATION NUMBER: US 07/739,861
 FILING DATE: 02-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/552,183
 FILING DATE: 13-JUL-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32,227
 REFERENCE/DOCKET NUMBER: TKT90-01A2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617-861-6240
 TELEFAX: 617-861-9540
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 42 base pairs
 TYPE: nucleic acid

STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-443-372A-6

Query Match 67.0%; Score 13.4; DB 2; Length 42;
 Best Local Similarity 93.3%; Pred. No. 1.5e+03;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 GCATGATTACGTAC 19
 DB 12 GGATGATTACGTAC 26

RESULT 9
 US-08-301-872A-7/C
 Sequence 7, Application US/08301872A
 Patent No. 5580734
 GENERAL INFORMATION:
 APPLICANT: Treco, Douglas A.
 APPLICANT: Miller, Allan M.
 TITLE OF INVENTION: Library Screening Method
 NUMBER OF SEQUENCES: 30
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Millitia Drive
 CITY: Lexington
 STATE: MA
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/301,872A
 FILING DATE: 06-SEP-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/739,861
 FILING DATE: 02-AUG-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/552,183
 FILING DATE: 13-JUL-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 32,227
 REFERENCE/DOCKET NUMBER: TKT90-01A2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617-861-6240
 TELEFAX: 617-861-9540
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 70 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-301-872A-7

Query Match 67.0%; Score 13.4; DB 2; Length 70;
 Best Local Similarity 93.3%; Pred. No. 1.6e+03;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 CATGATTACGTACG 20
 DB 54 CATGATTACGTACG 40

RESULT 10
 US-08-301-872A-8
 Sequence 8, Application US/08301872A

Patent No. 5580734
GENERAL INFORMATION:
APPLICANT: Treco, Douglas A.
APPLICANT: Miller, Allan M.
TITLE OF INVENTION: Library Screening Method
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/301,872A
FILING DATE: 06-SEP-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/739,861
FILING DATE: 02-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/552,183
FILING DATE: 13-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: TKT90-01A2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 70 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-301-872A-8

Query Match 67.0%; Score 13.4; DB 2; Length 70;
Best Local Similarity 93.3%; Pred. No. 1.6e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 6 CATGCATTACGTACG 20
DB 17 CATGCATTACGTACG 31

RESULT 11
US-08-443-372A-7/C
Sequence 7, Application US/08443372A
Patent No. 5869239
GENERAL INFORMATION:
APPLICANT: Treco, Douglas A.
APPLICANT: Miller, Allan M.
TITLE OF INVENTION: Library Screening Method
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/443,372A
FILING DATE: 17-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/301,872
FILING DATE: 06-SEP-1994
APPLICATION NUMBER: US 07/739,861
FILING DATE: 02-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/552,183
FILING DATE: 13-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: TKT90-01A2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 70 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-443-372A-7

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/443,372A
FILING DATE: 17-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/301,872
FILING DATE: 06-SEP-1994
APPLICATION NUMBER: US 07/739,861
FILING DATE: 02-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/552,183
FILING DATE: 13-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: TKT90-01A2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 70 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-443-372A-7

Query Match 67.0%; Score 13.4; DB 2; Length 70;
Best Local Similarity 93.3%; Pred. No. 1.6e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 6 CATGCATTACGTACG 20
DB 54 CATGCATTACGTACG 40

RESULT 12
US-08-443-372A-8
Sequence 8, Application US/08443372A
Patent No. 5869239
GENERAL INFORMATION:
APPLICANT: Treco, Douglas A.
APPLICANT: Miller, Allan M.
TITLE OF INVENTION: Library Screening Method
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/443,372A
FILING DATE: 17-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/301,872
FILING DATE: 06-SEP-1994
APPLICATION NUMBER: US 07/739,861
FILING DATE: 02-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/552,183
FILING DATE: 13-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia

```

;
;   REGISTRATION NUMBER: 32,227
;   REFERENCE/DOCKET NUMBER: TK190-01A2
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 617-861-6240
;   TELEFAX: 617-861-9540
;   INFORMATION FOR SEQ ID NO: 8:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 70 base pairs
;           TYPE: nucleic acid
;           STRANDEDNESS: double
;           TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
;   US-08-443-372A-8

Query Match      67.0%; Score 13.4; DB 2; Length 70;
Best Local Similarity 93.3%; Pred. No. 1.6e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      6 CATGCATTACGTACG 20
DB      17 CATGCATTACGTAGG 31

RESULT 13
US-09-535-851A-6
; Sequence 6, Application US/09535851A
; Patent No. 6528636
; GENERAL INFORMATION:
;   APPLICANT: Battelle Memorial Institute
;   TITLE OF INVENTION: A Promoter Sequence of 3-Phosphoglycerate Kinase Gene 2 of Lactic
;   Patent No. 6528636
;   TITLE OF INVENTION: Producing Fungus Rhizopus Oryzae and a Method of Expressing a Ge
;   FILE REFERENCE: E-1891B
;   CURRENT APPLICATION NUMBER: US/09/535,851A
;   CURRENT FILING DATE: 2000-03-27
;   NUMBER OF SEQ ID NOS: 9
;   SOFTWARE: PatentIn version 3.1
;   SEQ ID NO 6
;   LENGTH: 33
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide primer
;   US-09-535-851A-6

Query Match      66.0%; Score 13.2; DB 3; Length 33;
Best Local Similarity 83.3%; Pred. No. 1.9e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTA 18
DB      4 GCATGCATGTATTTCATA 21

RESULT 14
US-09-513-999C-27989
; Sequence 27989, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
;   APPLICANT: Dumas Milne Edwards, J.B.
;   APPLICANT: Duclet, A.
;   APPLICANT: Giordano, J.Y.
;   TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
;   Patent No. 6783961
;   FILE REFERENCE: 59 US2, REG
;   CURRENT APPLICATION NUMBER: US/09/513,999C
;   CURRENT FILING DATE: 2000-02-24
;   PRIOR APPLICATION NUMBER: US 60/122,487
;   NUMBER OF SEQ ID NOS: 36681
;   SOFTWARE: Patent.pm
;   SEQ ID NO 27989
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;   LENGTH: 152
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 13
;   OTHER INFORMATION: w=a or t
;   US-09-513-999C-27989

Query Match      66.0%; Score 13.2; DB 3; Length 152;
Best Local Similarity 83.3%; Pred. No. 2.1e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTA 18
DB      108 GCATGCATGCATTAAAGAA 125

RESULT 15
US-09-313-294A-292/C
; Sequence 292, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
;   APPLICANT: Lalgudi, Raghunath V.
;   APPLICANT: Ito, Laura Y.
;   APPLICANT: Sheeman, Bradley K.
;   TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
;   FILE REFERENCE: PL-0017 US
;   CURRENT APPLICATION NUMBER: US/09/313,294A
;   CURRENT FILING DATE: 1999-05-14
;   NUMBER OF SEQ ID NOS: 7600
;   SOFTWARE: PERL Program
;   SEQ ID NO 292
;   LENGTH: 177
;   TYPE: DNA
;   ORGANISM: Zea mays
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No. 6476212 700548929H1
;   NAME/KEY: unsure
;   LOCATION: 2, 6, 75-93
;   OTHER INFORMATION: a, t, c, g, or other
;   US-09-313-294A-292

Query Match      66.0%; Score 13.4; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 2.1e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTA 18
DB      52 GCATGCATGCATGCCATA 35

Search completed: January 6, 2006, 15:49:41
Job time : 127.667 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:54 ; Search time 38 Seconds
(without alignments)
280.668 Million cell updates/sec

Title: US-09-540-843-11

Perfect score: 6

Sequence: 1 ctgagg 6

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1513280

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents NA: *
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2: /cgn2_6/ptodata/1/ina/5 COMB.seq: *
3: /cgn2_6/ptodata/1/ina/6A COMB.seq: *
4: /cgn2_6/ptodata/1/ina/6B COMB.seq: *
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6: /cgn2_6/ptodata/1/ina/PCTus COMB.seq: *
7: /cgn2_6/ptodata/1/ina/PP COMB.seq: *
8: /cgn2_6/ptodata/1/ina/RG COMB.seq: *
9: /cgn2_6/ptodata/1/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	6	100.0	6	2	US-08-381-097A-3
2	6	100.0	6	2	US-08-381-097A-5
3	6	100.0	6	2	US-08-153-051B-4
4	6	100.0	6	2	US-08-337-684-2
5	6	100.0	6	2	US-08-151-477A-4
6	6	100.0	6	2	US-08-670-999-3
7	6	100.0	6	3	US-08-729-598-4
8	6	100.0	6	3	US-08-819-867-9
9	6	100.0	6	3	US-08-819-867-27
10	6	100.0	6	3	US-08-630-019A-1
11	6	100.0	6	3	US-09-018-545-3
12	6	100.0	6	3	US-09-114-399-3
13	6	100.0	6	3	US-09-608-636A-1
14	6	100.0	6	3	US-09-378-535-8
15	6	100.0	6	3	US-09-378-535-27
16	6	100.0	6	3	US-09-940-173A-1
17	6	100.0	6	3	US-09-730-893-1
18	6	100.0	6	3	US-09-042-460-7
19	6	100.0	6	6	PCT-US96-01206-1
20	6	100.0	7	3	US-08-729-598-8
21	6	100.0	7	3	US-09-940-173A-6
22	6	100.0	7	3	US-09-730-893-6
23	6	100.0	8	3	US-08-838-545-15
24	6	100.0	8	3	US-08-838-545-30

25	6	100.0	8	3	US-08-838-545-34	Sequence 34, Appl
26	6	100.0	8	3	US-09-349-532-15	Sequence 15, Appl
27	6	100.0	8	3	US-09-349-532-30	Sequence 30, Appl
28	6	100.0	8	3	US-09-349-532-34	Sequence 34, Appl
29	6	100.0	8	3	US-09-940-173A-4	Sequence 4, Appl
30	6	100.0	8	3	US-09-730-893-4	Sequence 4, Appl
31	6	100.0	9	2	US-08-337-684-3	Sequence 3, Appl
32	6	100.0	9	3	US-08-630-019A-27	Sequence 27, Appl
33	6	100.0	9	3	US-09-069-434-14	Sequence 14, Appl
34	6	100.0	9	3	US-08-838-545-16	Sequence 16, Appl
35	6	100.0	9	3	US-09-349-532-16	Sequence 16, Appl
36	6	100.0	10	2	US-08-192-300-18	Sequence 18, Appl
37	6	100.0	10	2	US-08-531-743-10	Sequence 10, Appl
38	6	100.0	10	3	US-08-630-019A-8	Sequence 8, Appl
39	6	100.0	10	3	US-08-838-545-7	Sequence 7, Appl
40	6	100.0	10	3	US-08-838-545-11	Sequence 11, Appl
41	6	100.0	10	3	US-08-838-545-17	Sequence 17, Appl
42	6	100.0	10	3	US-08-838-545-21	Sequence 21, Appl
43	6	100.0	10	3	US-08-838-545-29	Sequence 29, Appl
44	6	100.0	10	3	US-08-974-549A-527	Sequence 527, App
45	6	100.0	10	3	US-09-349-532-7	Sequence 7, Appl

ALIGNMENTS

RESULT 1
US-08-381-097A-3
Sequence 3, Application US/08381097A
Patent No. 5643890
GENERAL INFORMATION:
APPLICANT: Iverson, Patrick L.
TITLE OF INVENTION: Synthetic Oligodeoxyribonucleotides
TITLE OF INVENTION: Which Mimic Telomeric Sequences for Use in the Treatment
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSER: Zarely, McKee, Thomte, Voorhees, & Sease
STREET: 801 Grand Suite 3200
CITY: Des Moines
STATE: Iowa
COUNTRY: United States
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/381,097A
FILING DATE: 31-JAN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Nebel, Heidi S
REGISTRATION NUMBER: 37,719
REFERENCE/DOCKET NUMBER: unmc 63092
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-288-3667
TELEFAX: 515-288-1338
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-381-097A-3
Query Match 100.0%; Score 6; DB 2; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
|||||
Db 1 TTAGGG 6

RESULT 2

US-08-381-097A-5/c
; Sequence 5, Application US/08381097A
; Patent No. 5643890
; GENERAL INFORMATION:

APPLICANT: Iverson, Patrick L.
APPLICANT: Mata, John E.
TITLE OF INVENTION: Synthetic Oligodeoxyribonucleotides
TITLE OF INVENTION: Which Mimic Telomeric Sequences for Use in the Treatment
TITLE OF INVENTION: of Cancer and Other Diseases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:

ADDRESSEE: Zarely, McKee, Thome, Voorhees, & Sease
STREET: 801 Grand Suite 3200
CITY: Des Moines
STATE: Iowa
COUNTRY: United States
ZIP: 50309

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/381,097A

FILING DATE: 31-JAN-1995

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Nebel, Heidi S

REGISTRATION NUMBER: 37,719

REFERENCE/DOCKET NUMBER: ummc 63092

TELECOMMUNICATION INFORMATION:

TELEPHONE: 515-288-3667

TELEFAX: 515-288-1338

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 6 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

HYPOTHETICAL: NO

ANTI-SENSE: NO

US-08-381-097A-5

Query Match 100.0%; Score 6; DB 2; Length 6;

Best Local Similarity 100.0%; Pred. NO. 2.9e+08;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
|||||
Db 6 TTAGGG 1

RESULT 3

US-08-153-051B-4/c

; Sequence 4, Application US/08153051B

; Patent No. 5645986

GENERAL INFORMATION:

APPLICANT: Michael D. West

APPLICANT: Jerry W. Shay

APPLICANT: Woodring B. Wright

APPLICANT: Elizabeth Blackburn

APPLICANT: Nam Woo Kim

APPLICANT: Calvin B. Harley

APPLICANT: Scott L. Weinrich

APPLICANT: Catherine Strahl
APPLICANT: Michael J. McEachern
APPLICANT: Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: CONDITIONS RELATED TO TELOMERE
TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/153,051B

FILING DATE: No. 5645986ember 12, 1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/038,766

FILING DATE: March 24, 1993

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 204/195

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 6

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-153-051B-4

Query Match 100.0%; Score 6; DB 2; Length 6;

Best Local Similarity 100.0%; Pred. NO. 2.9e+08;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
|||||
Db 6 TTAGGG 1

RESULT 4

US-08-337-684-2

; Sequence 2, Application US/08337684

; Patent No. 5686306

GENERAL INFORMATION:

APPLICANT: West, Michael David

APPLICANT: Shay, Jerry

APPLICANT: Wright, Woodring B.

TITLE OF INVENTION: METHODS AND REAGENTS FOR

TITLE OF INVENTION: MEASURING TELOMERES

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

STREET: Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION NUMBER: US/08/337,684
FILING DATE: No. 566306ember 10, 1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/151,477
FILING DATE: No. 566306ember 12, 1993
APPLICATION NUMBER: 08/153,051
FILING DATE: No. 566306ember 12, 1993
APPLICATION NUMBER: 08/060,952
FILING DATE: May 13, 1993
APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
APPLICATION NUMBER: 07/882,438
FILING DATE: May 13, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/085
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-337-684-2

Query Match 100.0%; Score 6; DB 2; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTACGG 6
DB 1 TTACGG 6

RESULT 5
US-08-151-477A-4/c
Sequence 4, Application US/08151477A
Patent No. 5830644
GENERAL INFORMATION:
APPLICANT: Michael D. West
APPLICANT: Jerry W. Shay
APPLICANT: Woodring E. Wright
APPLICANT: Elizabeth Blackburn
APPLICANT: Nam Woo Kim
APPLICANT: Calvin B. Harley
APPLICANT: Scott L. Weinrich
APPLICANT: Catherine Strahl
APPLICANT: Michael J. McEachern
APPLICANT: Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: CONDITIONS RELATED TO TELEOMERE
TITLE OF INVENTION: LENGTH AND/OR TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSES: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/151,477A
FILING DATE: No. 5830644ember 12, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/038,766
FILING DATE: March 24, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 202/189
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 6
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-151-477A-4

Query Match 100.0%; Score 6; DB 2; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTACGG 6
DB 6 TTACGG 1

RESULT 6
US-08-670-999-3
Sequence 3, Application US/08670999
Patent No. 5849727
GENERAL INFORMATION:
APPLICANT: Porter, Thomas R.
APPLICANT: Iversen, Patrick L.
TITLE OF INVENTION: Compositions and Methods for Altering
TITLE OF INVENTION: the Biodistribution of Biological Agents
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSES: Zarley, McKee, Thonite, Voorhees & Sease
STREET: 801 Grand Suite 3200
CITY: Des Moines
STATE: Iowa
COUNTRY: United States
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/670,999
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Nebel, Heidi S.
REGISTRATION NUMBER: 37,719
REFERENCE/DOCKET NUMBER: UMHC 107A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 515-288-3667
TELEFAX: 515-288-1338
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-670-999-3

Query Match 100.0%; Score 6; DB 2; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 7

US-08-729-598-4
Sequence 4, Application US/08729598
Patent No. 6001657
GENERAL INFORMATION:
APPLICANT: Hardin, Charles C.
APPLICANT: Brown II, Bernard A.
APPLICANT: Roberts, John J.
APPLICANT: Belue, Stephen A.
TITLE OF INVENTION: Antidotes That Selectively Bind
TITLE OF INVENTION: Quadruplex Nucleic Acids
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sorojini J. Biswas
STREET: P.O. Box 37428
CITY: Raleigh
STATE: No. 6001657th Carolina
COUNTRY: USA
ZIP: 27627
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/729,598
FILING DATE: 11-OCT-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Biswas, Sorojini J.
REGISTRATION NUMBER: 39,111
REFERENCE/DOCKET NUMBER: 5051-301A
TELEPHONE: (919) 854-1400
TELEFAX: (919) 854-1401
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: not relevant
MOLECULE TYPE: DNA (Genomic)
US-08-729-598-4

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 8

US-08-819-867-9
Sequence 9, Application US/08819867
Patent No. 6007989
GENERAL INFORMATION:

APPLICANT: Michael D. West
APPLICANT: Calvin B. Harley
APPLICANT: Scott L. Weinrich
APPLICANT: Catherine M. Strahl
APPLICANT: Michael J. McEachern
APPLICANT: Jerry Shay
APPLICANT: Woodring B. Wright
APPLICANT: Elizabeth H. Blackburn
APPLICANT: Nam Woo Kim
APPLICANT: Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: CONDITIONS RELATED TO
TITLE OF INVENTION: TEOLOMERE LENGTH AND/OR
TITLE OF INVENTION: TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/819,867
FILING DATE: March 14, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/153,051
FILING DATE: No. 6007989eember 12, 1993
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
REFERENCE/DOCKET NUMBER: 224/232
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-819-867-9

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 9

US-08-819-867-27/c
Sequence 27, Application US/08819867
Patent No. 6007989
GENERAL INFORMATION:
APPLICANT: Michael D. West
APPLICANT: Calvin B. Harley
APPLICANT: Scott L. Weinrich
APPLICANT: Catherine M. Strahl
APPLICANT: Michael J. McEachern

APPLICANT: Jerry Shay
APPLICANT: Woodring E. Wright
APPLICANT: Elizabeth H. Blackburn
APPLICANT: Nam Woo Kim
APPLICANT: Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
TITLE OF INVENTION: CONDITIONS RELATED TO
TITLE OF INVENTION: TELOMERE LENGTH AND/OR
TITLE OF INVENTION: TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/819,867
FILING DATE: March 14, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/153,051
FILING DATE: No. 6007969 September 12, 1993
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
REFERENCE/DOCKET NUMBER: 224/232
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-819-867-27

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 TTAGGG 6
Db 6 TTAGGG 1

RESULT 10
US-08-630-019A-1
Sequence 1, Application US/08630019A
Patent No. 6015710
GENERAL INFORMATION:
APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring E.
APPLICANT: Piatysek, Mieczyslaw A.
APPLICANT: Corey, David
APPLICANT: No. 6015710, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase by
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,019A
FILING DATE: 09-JUN-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001600US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = peptide nucleic acid (PNA),
DESCRIPTION: where (deoxy)ribose-phosphate linkages are replaced by
DESCRIPTION: N-(2-aminoethyl)glycine units linked to nucleotide bases via
DESCRIPTION: glycine amino nitrogen through a methylene carbonyl linker
US-08-630-019A-1

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 11
US-09-018-545-3
Sequence 3, Application US/09018545
Patent No. 6087493
GENERAL INFORMATION:
APPLICANT: Wheelhouse, Richard T.
APPLICANT: Hurley, Laurence H.
TITLE OF INVENTION: PORPHYRIN COMPOUNDS AS TELOMERASE
TITLE OF INVENTION: INHIBITORS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: U.S.
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/018,545
FILING DATE: Concurrently Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/037,295
FILING DATE: 05-FEB-1997
ATTORNEY/AGENT INFORMATION:

NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: US8-654
TELEPHONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-018-545-3

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 12
US-09-114-399-3
Sequence 3, Application US/09114399
Patent No. 6245747
GENERAL INFORMATION:
APPLICANT: Porter, Thomas R.
APPLICANT: Iversen, Patrick L.
APPLICANT: Meyer, Gary D.
TITLE OF INVENTION: Targeted Site Specific Drug Delivery
FILE REFERENCE: 0450-0310.31
CURRENT APPLICATION NUMBER: US/09/114,399
PRIOR FILING DATE: 1998-07-13
CURRENT APPLICATION NUMBER: US 08/615,495
PRIOR FILING DATE: 1996-03-12
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 6
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: PS-ODN
US-09-114-399-3

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 13
US-09-608-636A-1
Sequence 1, Application US/09608636A
Patent No. 6518268
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Kyowa Hakko Kogyo Co., Ltd.
APPLICANT: Chin, Allison C.
APPLICANT: Holcomb, Ryan C.
APPLICANT: Placzyszczek, Mieczyslaw A
APPLICANT: Singh, Upinder
APPLICANT: Tolman, Richard L.
APPLICANT: Akama, Teutomu
APPLICANT: Kanda, Yutaka
APPLICANT: Asai, Akira
APPLICANT: Yamashita, Yoshinori

APPLICANT: Endo, Kaori
APPLICANT: Yamaguchi, Hiroyuki
TITLE OF INVENTION: Telomerase Inhibitors and Methods of Their Use
FILE REFERENCE: 055/003
CURRENT APPLICATION NUMBER: US/09/608,636A
CURRENT FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 60/142,173
PRIOR FILING DATE: 1999-07-10
PRIOR APPLICATION NUMBER: JP 11-187616
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: JP 11-307576
PRIOR FILING DATE: 1999-10-28
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 6
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: oligonucleotide
US-09-608-636A-1

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 14
US-09-378-535-9
Sequence 9, Application US/09378535
Patent No. 6551774
GENERAL INFORMATION:
APPLICANT: Michael D. West
Calvin B. Harley
Scott L. Weinlich
Catherine M. Strahl
Michael J. McEachern
Jerry Shay
Woodring B. Wright
Elizabeth H. Blackburn
Nam Woo Kim
Homayoun Vaziri
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
CONDITIONS RELATED TO
TELOMERE LENGTH AND/OR
TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/378,535
FILING DATE: 20-Aug-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/819,867
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:

NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
REFERENCE/DOCKET NUMBER: 224/232
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-378-535-9

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGG 6
DB 1 TTAGG 6

RESULT 15
US-09-378-535-27/C
Sequence 27, Application US/09378535
Patent No. 6551774
GENERAL INFORMATION:
APPLICANT: Michael D. West
Calvin B. Harley
Scott L. Weinrich
Catherine M. Strahl
Michael J. McEachern
Jerry Shay
Woodring E. Wright
Elizabeth H. Blackburn
Nam Woo Kim
Homayoun Varizi
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF
CONDITIONS RELATED TO
TELOMERE LENGTH AND/OR
TELOMERASE ACTIVITY
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASTSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/378,535
FILING DATE: 20-Aug-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/819,867
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Chambers, Daniel M.
REGISTRATION NUMBER: 34,561
REFERENCE/DOCKET NUMBER: 224/232
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440

TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-378-535-27

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 2.9e+08;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGG 6
DB 6 TTAGG 1

Search completed: January 6, 2006, 15:49:41
Job time : 38 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:56 ; Search time 219.25 Seconds
(without alignments)
226.300 Million cell updates/sec

Title: US-09-540-843-11

Perfect score: 6

Sequence: 1 ttaggg 6

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11679888

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA_Main:
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
6: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	6	100.0	6	3	US-09-817-387-29
2	6	100.0	6	3	US-09-735-363A-49
3	6	100.0	6	3	US-09-907-279-2
4	6	100.0	6	3	US-09-730-893-1
5	6	100.0	6	3	US-09-940-173A-1
6	6	100.0	6	5	US-10-123-630-11
7	6	100.0	6	5	US-10-123-630-12
8	6	100.0	6	5	US-10-123-630-11
9	6	100.0	6	5	US-10-123-630-11
10	6	100.0	6	6	US-10-255-535-8
11	6	100.0	6	6	US-10-336-265-1
12	6	100.0	6	6	US-10-336-265-3
13	6	100.0	6	6	US-10-336-265-4
14	6	100.0	6	6	US-10-336-265-63
15	6	100.0	6	6	US-10-336-265-64
16	6	100.0	6	6	US-10-233-927A-9
17	6	100.0	6	6	US-10-233-927A-9
18	6	100.0	6	6	US-10-383-754B-3
19	6	100.0	6	6	US-10-383-754B-3
20	6	100.0	6	7	US-10-181-823-13
21	6	100.0	6	7	US-10-705-531-15
22	6	100.0	6	7	US-10-705-531-16
23	6	100.0	6	8	US-10-752-123-1

24	6	100.0	6	8	US-10-775-818-1	Sequence 1, Appli
25	6	100.0	6	8	US-10-862-698-7	Sequence 7, Appli
26	6	100.0	6	9	US-10-866-392-1	Sequence 1, Appli
27	6	100.0	7	3	US-09-730-893-6	Sequence 6, Appli
28	6	100.0	7	3	US-09-940-173A-6	Sequence 6, Appli
29	6	100.0	7	8	US-10-775-818-6	Sequence 6, Appli
30	6	100.0	8	3	US-09-730-893-4	Sequence 4, Appli
31	6	100.0	8	3	US-09-940-173A-4	Sequence 4, Appli
32	6	100.0	8	6	US-10-336-265-8	Sequence 58, Appli
33	6	100.0	8	8	US-10-775-818-4	Sequence 4, Appli
34	6	100.0	9	3	US-09-728-574-19	Sequence 19, Appli
35	6	100.0	10	5	US-10-033-145-56	Sequence 56, Appli
36	6	100.0	10	5	US-10-033-145-358	Sequence 358, App
37	6	100.0	10	5	US-10-033-145-613	Sequence 613, App
38	6	100.0	10	5	US-10-033-145-1694	Sequence 1694, Ap
39	6	100.0	10	5	US-10-044-692-294	Sequence 294, App
40	6	100.0	10	5	US-10-044-539-294	Sequence 294, App
41	6	100.0	10	6	US-10-390-045-41	Sequence 41, Appli
42	6	100.0	10	6	US-10-330-627-92	Sequence 92, Appli
43	6	100.0	10	6	US-10-330-627-1296	Sequence 1296, Ap
44	6	100.0	10	6	US-10-330-627-1297	Sequence 1297, Ap
45	6	100.0	10	6	US-10-330-627-1298	Sequence 1298, Ap

ALIGNMENTS

RESULT 1
US-09-817-387-29
; Sequence 29, Application US/09817387
; Patent No. US20010039263A1
; GENERAL INFORMATION:
; APPLICANT: Max-Debrunck-Centrum fur Molekulare Medizin
; TITLE OR INVENTION: Chimeric Oligonucleotides and the Use Thereof
; FILE REFERENCE: 101195-24
; CURRENT APPLICATION NUMBER: US/09/817.387
; CURRENT FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: DE 197 20 151.2
; PRIOR FILING DATE: 1997-05-02
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 6
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: telomeric
; OTHER INFORMATION: DNA of man
US-09-817-387-29

Query Match 100.0%; Score 6; DB 3; Length 6;
Best local similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 TTAGGG 6
Db 1 TTAGGG 6
RESULT 2
US-09-735-363A-49
; Sequence 49, Application US/09735363A
; Patent No. US20010041681A1
; GENERAL INFORMATION:
; APPLICANT: Fillion, Mario
; APPLICANT: Phillip, Nigel
; TITLE OF INVENTION: Therapeutically Useful Synthetic Oligonucleotides
; FILE REFERENCE: 02811-0181
; CURRENT APPLICATION NUMBER: US/09/735.363A
; CURRENT FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/170,325
; PRIOR FILING DATE: 1999-12-13
; PRIOR APPLICATION NUMBER: 60/228,925

;; PRIOR FILING DATE: 2000-08-29
;; NUMBER OF SEQ ID NOS: 87
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 49
;; LENGTH: 6
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-735-363A-49

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 3
US-09-907-279-2
;; Sequence 2, Application US/09907279
;; Publication No. US20020068296A1
;; GENERAL INFORMATION:
;; APPLICANT: Heller, Adam
;; TITLE OF INVENTION: CATHODIC PROTECTION OF NUCLEIC ACID SEQUENCES
;; FILE REFERENCE: 11154.41USU1
;; CURRENT APPLICATION NUMBER: US/09/907,279
;; PRIOR FILING DATE: 2001-07-17
;; PRIOR APPLICATION NUMBER: US 60/218,959
;; PRIOR FILING DATE: 2000-07-17
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 2
;; LENGTH: 6
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: artificial oligonucleotide sequence
US-09-907-279-2

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 4
US-09-730-893-1
;; Sequence 1, Application US/09730893
;; Patent No. US20020107258A1
;; GENERAL INFORMATION:
;; APPLICANT: KERWIN, SEAN M.
;; APPLICANT: FEDOROFF, OLEG Y.
;; APPLICANT: SALAZAR, MIGUEL
;; APPLICANT: HURLEY, LAURENCE H.
;; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
;; FILE REFERENCE: VTSB:679USC1
;; CURRENT APPLICATION NUMBER: US/09/730,893
;; PRIOR FILING DATE: 2000-12-05
;; PRIOR APPLICATION NUMBER: 09/244,675
;; PRIOR FILING DATE: 1999-04-02
;; PRIOR APPLICATION NUMBER: 60/073,629
;; PRIOR FILING DATE: 1998-04-02
;; NUMBER OF SEQ ID NOS: 12
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 1
;; LENGTH: 6

;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;; OTHER INFORMATION: Primer
US-09-730-893-1

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 5
US-09-940-173A-1
;; Sequence 1, Application US/09940173A
;; Publication No. US20030040525A1
;; GENERAL INFORMATION:
;; APPLICANT: KERWIN, SEAN M.
;; APPLICANT: FEDOROFF, OLEG Y.
;; APPLICANT: SALAZAR, MIGUEL
;; APPLICANT: HURLEY, LAURENCE H.
;; TITLE OF INVENTION: INHIBITION OF HUMAN TELOMERASE BY A
;; FILE REFERENCE: VTSB:679USD2
;; CURRENT APPLICATION NUMBER: US/09/940,173A
;; PRIOR FILING DATE: 2002-06-24
;; PRIOR APPLICATION NUMBER: 09/730,893
;; PRIOR FILING DATE: 2000-12-05
;; PRIOR APPLICATION NUMBER: 09/244,675
;; PRIOR FILING DATE: 1999-04-02
;; PRIOR APPLICATION NUMBER: 60/073,629
;; PRIOR FILING DATE: 1998-04-02
;; NUMBER OF SEQ ID NOS: 12
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 1
;; LENGTH: 6
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;; OTHER INFORMATION: Primer
US-09-940-173A-1

Query Match 100.0%; Score 6; DB 3; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 6
US-10-122-630-11
;; Sequence 11, Application US/10122630
;; Publication No. US20030032610A1
;; GENERAL INFORMATION:
;; APPLICANT: Glitchest, Barbara A.
;; APPLICANT: Eller, Mark S.
;; APPLICANT: Year, Mina
;; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
;; FILE REFERENCE: 0054.1088-018
;; CURRENT APPLICATION NUMBER: US/10/122,630
;; PRIOR FILING DATE: 2002-04-12
;; PRIOR APPLICATION NUMBER: US 08/467,012
;; PRIOR FILING DATE: 1995-06-06
;; PRIOR APPLICATION NUMBER: PCT/US96/08386
;; PRIOR FILING DATE: 1996-06-03

PRIOR APPLICATION NUMBER: US 09/048,927
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11
LENGTH: 6
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-11

Query Match 100.0%; Score 6; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 7
US-10-122-630-12/c
Sequence 12, Application US/10122630
Publication No. US20030032610A1
GENERAL INFORMATION:
APPLICANT: Gilchrest, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yeaz, Mina
TITLE OF INVENTION: Method to Inhibit Cell Growth Using
FILE REFERENCE: 0054.1088-018
CURRENT APPLICATION NUMBER: US/10/122,630
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 08/467,012
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/US96/08386
PRIOR FILING DATE: 1996-06-03
PRIOR APPLICATION NUMBER: US 09/048,927
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12
LENGTH: 6
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-12

Query Match 100.0%; Score 6; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTAGGG 6
Db 6 TTAGGG 1

RESULT 8
US-10-122-633-11
Sequence 11, Application US/10122633
Publication No. US20030032611A1
GENERAL INFORMATION:
APPLICANT: Gilchrest, Barbara A.

APPLICANT: Eller, Mark S.
APPLICANT: Yeaz, Mina
TITLE OF INVENTION: Method to Inhibit Cell Growth Using
FILE REFERENCE: 0054.1088-019
CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11
LENGTH: 6
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-11

Query Match 100.0%; Score 6; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 9
US-10-122-633-12/c
Sequence 12, Application US/10122633
Publication No. US20030032611A1
GENERAL INFORMATION:
APPLICANT: Gilchrest, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yeaz, Mina
TITLE OF INVENTION: Method to Inhibit Cell Growth Using
FILE REFERENCE: 0054.1088-019
CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12
LENGTH: 6
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-12

Query Match 100.0%; Score 6; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTAGGG 6
Db 6 TTAGGG 1

RESULT 10
US-10-255-535-8
Sequence 8, Application US/10255535
Publication No. US20030138614A1
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Gryaznov, Sergei

APPLICANT: Pongracz, Ktiszclina
APPLICANT: Tolman, Richard L.
APPLICANT: Morin, Gregg B.
TITLE OF INVENTION: Oligonucleotide Conjugates
FILE REFERENCE: 072/002P
CURRENT APPLICATION NUMBER: US/10/255,535
PRIOR APPLICATION NUMBER: PCT/US02/09138
PRIOR FILING DATE: 2002-03-21
PRIOR APPLICATION NUMBER: US 60/278,322
PRIOR FILING DATE: 2001-03-23
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 6
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: oligonucleotide
US-10-255-535-8

Query Match 100.0%; Score 6; DB 6; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09; Indels 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0;

QY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 11
US-10-336-265-1
Sequence 1, Application US/10336265
Publication No. US20030148988A1
GENERAL INFORMATION:
APPLICANT: Kool, Eric T.
TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for
FILE REFERENCE: 12665.0021.NPUS01
CURRENT APPLICATION NUMBER: US/10/336,265
CURRENT FILING DATE: 2003-01-03
PRIOR APPLICATION NUMBER: US 60/345,056
PRIOR FILING DATE: 2002-01-04
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1
LENGTH: 6
TYPE: DNA
ORGANISM: Homo sapiens
US-10-336-265-1

Query Match 100.0%; Score 6; DB 6; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09; Indels 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0;

QY 1 TTAGGG 6
Db 1 TTAGGG 6

RESULT 12
US-10-336-265-3/c
Sequence 3, Application US/10336265
Publication No. US20030148988A1
GENERAL INFORMATION:
APPLICANT: Kool, Eric T.
TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for
FILE REFERENCE: 12665.0021.NPUS01
CURRENT APPLICATION NUMBER: US/10/336,265
CURRENT FILING DATE: 2003-01-03
PRIOR APPLICATION NUMBER: US 60/345,056
PRIOR FILING DATE: 2002-01-04

NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn version 3.2
SEQ ID NO 3
LENGTH: 6
TYPE: DNA
ORGANISM: Homo sapiens
US-10-336-265-3

Query Match 100.0%; Score 6; DB 6; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09; Indels 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0;

QY 1 TTAGGG 6
Db 6 TTAGGG 1

RESULT 13
US-10-336-265-4/c
Sequence 4, Application US/10336265
Publication No. US20030148988A1
GENERAL INFORMATION:
APPLICANT: Kool, Eric T.
TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for
FILE REFERENCE: 12665.0021.NPUS01
CURRENT APPLICATION NUMBER: US/10/336,265
CURRENT FILING DATE: 2003-01-03
PRIOR APPLICATION NUMBER: US 60/345,056
PRIOR FILING DATE: 2002-01-04
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn version 3.2
SEQ ID NO 4
LENGTH: 6
TYPE: RNA
ORGANISM: Homo sapiens
US-10-336-265-4

Query Match 100.0%; Score 6; DB 6; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09; Indels 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0;

QY 1 TTAGGG 6
Db 6 TTAGGG 1

RESULT 14
US-10-336-265-63
Sequence 63, Application US/10336265
Publication No. US20030148988A1
GENERAL INFORMATION:
APPLICANT: Kool, Eric T.
TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for
FILE REFERENCE: 12665.0021.NPUS01
CURRENT APPLICATION NUMBER: US/10/336,265
CURRENT FILING DATE: 2003-01-03
PRIOR APPLICATION NUMBER: US 60/345,056
PRIOR FILING DATE: 2002-01-04
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn version 3.2
SEQ ID NO 63
LENGTH: 6
TYPE: DNA
ORGANISM: Homo sapiens
US-10-336-265-63

Query Match 100.0%; Score 6; DB 6; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.3e+09; Indels 0; Gaps 0;
Matches 6; Conservative 0; Mismatches 0;

QY 1 TTAGGG 6

Db 1 TTAGGG 6

RESULT 15
US-10-336-265-64
Sequence 64, Application US/10336265
Publication No. US20030148988A1
GENERAL INFORMATION:
APPLICANT: KOOL, Eric T.
TITLE OF INVENTION: Telomere-Encoding Synthetic DNA Nanocircles, and their use for
FILE OF INVENTION: the Elongation of Telomere Repeats
FILE REFERENCE: 12665.0021.NPUS01
CURRENT APPLICATION NUMBER: US/10/336,265
CURRENT FILING DATE: 2003-01-03
PRIOR APPLICATION NUMBER: US 60/345,056
PRIOR FILING DATE: 2002-01-04
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn version 3.2
SEQ ID NO 64
LENGTH: 6
TYPE: RNA
ORGANISM: Homo sapiens
US-10-336-265-64

Query Match 100.0%; Score 6; DB 6; Length 6;
Best Local Similarity 66.7%; Pred No. 1.3e+09;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTAGGG 6
Db 1 UUAGGG 6

Search completed: January 6, 2006, 16:57:05
Job time : 220.25 secs

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OM nucleic - nucleic search, using bw model

Run on: January 6, 2006, 15:41:55 ; Search time 116.583 Seconds
(without alignments)
37.515 Million cell updates/sec

Title: US-09-540-843-11

Perfect score: 6

Sequence: 1 ttaggg 6

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 4637609 seqs, 36468668 residues

Total number of hits satisfying chosen parameters: 8807346

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_NA_New:*
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2: /cgn2_6/ptodata/2/pubpna/US06_NEM_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US07_NEM_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/ECT_NEM_PUB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US09_NEM_PUB.seq:*
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7: /cgn2_6/ptodata/2/pubpna/US11_NEM_PUB.seq:*
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9: /cgn2_6/ptodata/2/pubpna/US11_NEM_PUB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US00_NEM_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	6	100.0	9	US-11-106-237-19	Sequence 19, Appl
2	6	100.0	12	US-10-648-848-6	Sequence 6, Appl
3	6	100.0	12	US-10-648-848-12	Sequence 12, Appl
4	6	100.0	15	US-11-127-654-884	Sequence 884, App
5	6	100.0	16	US-11-079-601-3	Sequence 3, Appl
6	6	100.0	16	US-11-065-545-16	Sequence 16, Appl
7	6	100.0	16	US-11-065-545-36	Sequence 36, Appl
8	6	100.0	17	US-11-067-231-116	Sequence 116, App
9	6	100.0	17	US-10-995-561-85262	Sequence 85262, A
10	6	100.0	18	US-10-500-709-5	Sequence 5, Appl
11	6	100.0	18	US-10-517-544-58	Sequence 58, Appl
12	6	100.0	18	US-10-520-503-13	Sequence 13, Appl
13	6	100.0	18	US-10-750-185-10851	Sequence 10851, A
14	6	100.0	18	US-10-750-185-10860	Sequence 12060, A
15	6	100.0	18	US-10-750-185-12884	Sequence 12884, A
16	6	100.0	18	US-10-750-623-10851	Sequence 10851, A
17	6	100.0	18	US-10-750-623-12060	Sequence 12060, A
18	6	100.0	18	US-10-750-623-12884	Sequence 12884, A
19	6	100.0	18	US-11-185-111-33	Sequence 32, Appl
20	6	100.0	18	US-11-087-227-58	Sequence 58, Appl
21	6	100.0	18	US-11-067-231-115	Sequence 115, App
22	6	100.0	19	US-10-844-603A-71	Sequence 71, Appl
23	6	100.0	19	US-10-750-185-10481	Sequence 10481, A

C 24	6	100.0	19	6	US-10-750-185-11173	Sequence 11173, A
C 25	6	100.0	19	6	US-10-750-185-12836	Sequence 12836, A
C 26	6	100.0	19	6	US-10-750-185-12873	Sequence 12873, A
C 27	6	100.0	19	6	US-10-750-185-13589	Sequence 13589, A
C 28	6	100.0	19	6	US-10-750-185-14335	Sequence 14335, A
C 29	6	100.0	19	6	US-10-750-185-14614	Sequence 14614, A
C 30	6	100.0	19	6	US-10-750-185-16420	Sequence 16420, A
C 31	6	100.0	19	6	US-10-750-185-16454	Sequence 16454, A
C 32	6	100.0	19	6	US-10-750-185-16668	Sequence 16668, A
C 33	6	100.0	19	6	US-10-750-185-17123	Sequence 17123, A
C 34	6	100.0	19	6	US-10-750-185-17181	Sequence 17181, A
C 35	6	100.0	19	6	US-10-750-185-18653	Sequence 18653, A
C 36	6	100.0	19	6	US-10-750-185-19369	Sequence 19369, A
C 37	6	100.0	19	6	US-10-922-761-84	Sequence 84, Appl
C 38	6	100.0	19	6	US-10-922-761-181	Sequence 181, Appl
C 39	6	100.0	19	6	US-10-750-623-10481	Sequence 10481, A
C 40	6	100.0	19	6	US-10-750-623-11173	Sequence 11173, A
C 41	6	100.0	19	6	US-10-750-623-12836	Sequence 12836, A
C 42	6	100.0	19	6	US-10-750-623-12873	Sequence 12873, A
C 43	6	100.0	19	6	US-10-750-623-13589	Sequence 13589, A
C 44	6	100.0	19	6	US-10-750-623-14335	Sequence 14335, A
C 45	6	100.0	19	6	US-10-750-623-14614	Sequence 14614, A

ALIGNMENTS

RESULT 1
US-11-106-237-19/C
; Sequence 19, Application US/11106237
; Publication No. US20050255512A1
; GENERAL INFORMATION:
; TITLE OF INVENTION: Methods for Detection of a Target Nucleic Acid By Capture
; APPLICANT: Stratagene
; FILE REFERENCE: 25436/1660
; CURRENT FILING DATE: US/11/106.237
; PRIOR FILING DATE: 2005-04-14
; PRIOR APPLICATION NUMBER: US 09/728574
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 19
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Drosophila sp.
; FEATURE:
; NAME/KEY: bicoid DNA binding site
; LOCATION: (1)..(9)
US-11-106-237-19

Query Match 100.0%; Score 6; DB 7; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.7e+07;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGG 6
Db 6 TTAGGG 1

RESULT 2
US-10-648-848-6/C
; Sequence 6, Application US/10648848
; Publication No. US20050266407A1
; GENERAL INFORMATION:
; APPLICANT: Chee, Mark
; TITLE OF INVENTION: Combinatorial Decoding of Random Nucleic Acid Arrays
; FILE REFERENCE: A-67498-1
; CURRENT FILING DATE: 2003-08-21
; CURRENT APPLICATION NUMBER: US/10/648.848
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/135,052

;; PRIOR FILING DATE: 1999-05-20
;; NUMBER OF SEQ ID NOS: 39
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 6
;; LENGTH: 12
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: decoding probee.
US-10-648-848-6

Query Match 100.0%; Score 6; DB 6; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.4e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 11 TTAGGG 6

RESULT 3
US-10-648-848-12/c
; Sequence 12, Application US/10648848
; Publication No. US20050266407A1
; GENERAL INFORMATION:
; APPLICANT: Chee, Mark
; TITLE OF INVENTION: Combinatorial Decoding of Random Nucleic Acid Arrays
; FILE REFERENCE: A-67498-1
; CURRENT APPLICATION NUMBER: US/10/648,848
; PRIOR FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: US/09/574,117
; PRIOR FILING DATE: 2000-05-19
; PRIOR APPLICATION NUMBER: US 60/135,052
; PRIOR FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: probe sequence.
US-10-648-848-12

Query Match 100.0%; Score 6; DB 6; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.4e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 12 TTAGGG 7

RESULT 4
US-11-127-654-884
; Sequence 884, Application US/11127654
; Publication No. US20050250726A1
; GENERAL INFORMATION:
; APPLICANT: Kriegl, Arthur M.
; APPLICANT: Berg, Daniel J.
; TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC
; INFLAMMATORY DISEASES
; FILE REFERENCE: C1039.70060US01
; CURRENT APPLICATION NUMBER: US/11/127,654
; PRIOR FILING DATE: 2005-05-12
; PRIOR APPLICATION NUMBER: US 10/112,653
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: US 60/279,642
; PRIOR FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 1040
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 884

;; LENGTH: 15
;; TYPE: DNA
;; ORGANISM: Artificial sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic oligonucleotide
US-11-127-654-884

Query Match 100.0%; Score 6; DB 7; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 9 TTAGGG 14

RESULT 5
US-11-079-601-3/c
; Sequence 3, Application US/11079601
; Publication No. US2005026030A1
; GENERAL INFORMATION:
; APPLICANT: GOODMAN, JAY I.
; TITLE OF INVENTION: RAPID METHODS FOR DETECTING METHYLATION OF A NUCLEIC
; FILE REFERENCE: 061404.126US2 (MSU012US)
; CURRENT APPLICATION NUMBER: US/11/079,601
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: 60/552,823
; PRIOR FILING DATE: 2004-03-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 3
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-11-079-601-3

Query Match 100.0%; Score 6; DB 7; Length 16;
Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 9 TTAGGG 4

RESULT 6
US-11-065-545-16/c
; Sequence 16, Application US/11065545
; Publication No. US20050272062A1
; GENERAL INFORMATION:
; APPLICANT: Suntory Limited
; APPLICANT: Nishindo Industries Inc.
; TITLE OF INVENTION: Bacteria detecting instrument, bacteria detecting method, and bact
; FILE REFERENCE: SU0501
; CURRENT APPLICATION NUMBER: US/11/065,545
; PRIOR FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: JP 2004-050523
; PRIOR FILING DATE: 2004-02-25
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Lactobacillus delbrueckii
US-11-065-545-16

Query Match 100.0%; Score 6; DB 7; Length 16;

Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGG 6
|||||
Db 11 TTAGG 6

RESULT 7

US-11-065-545-36
; Sequence 36, Application US/11065545
; Publication No. US20050272062A1
; GENERAL INFORMATION:
; APPLICANT: Suncory Limited
; TITLE OF INVENTION: Bacteria detecting instrument, bacteria detecting method, and bac
; TITLE OF INVENTION: detecting kit
; FILE REFERENCE: S00501
; CURRENT APPLICATION NUMBER: US/11/065,545
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: JP 2004-050523
; PRIOR FILING DATE: 2004-02-25
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 36
; LENGTH: 16
; TYPE: DNA
; ORGANISM: *Pediococcus* sp.
US-11-065-545-36

Query Match 100.0%; Score 6; DB 7; Length 16;
Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGG 6
|||||
Db 2 TTAGG 7

RESULT 8

US-11-067-231-116/c
; Sequence 116, Application US/11067231
; Publication No. US20050272063A1
; GENERAL INFORMATION:
; APPLICANT: Nakamura, Yusuke
; APPLICANT: Kakagiri, Toyomasa
; APPLICANT: Fukukawa, Chikako
; TITLE OF INVENTION: METHOD FOR TREATING SYNOVIAL SARCOMA
; FILE REFERENCE: 1254-0272PUS1
; CURRENT APPLICATION NUMBER: US/11/067,231
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: US 60/407,506
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: US 60/486,195
; PRIOR FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: PCT/JP03/10591
; PRIOR FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: PCT/JP2004/002144
; PRIOR FILING DATE: 2004-02-24
; PRIOR APPLICATION NUMBER: US 60/598,834
; PRIOR FILING DATE: 2004-08-05
; NUMBER OF SEQ ID NOS: 218
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 116
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-11-067-231-116

Query Match 100.0%; Score 6; DB 7; Length 16;

Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGG 6
|||||
Db 14 TTAGG 9

RESULT 9

US-10-995-561-85262
; Sequence 85262, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: C1001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 85262
; LENGTH: 17
; TYPE: DNA
; ORGANISM: *Homo sapiens*
US-10-995-561-85262

Query Match 100.0%; Score 6; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGG 6
|||||
Db 12 TTAGG 17

RESULT 10

US-10-500-709-5
; Sequence 5, Application US/10500709
; Publication No. US20050245471A1
; GENERAL INFORMATION:
; APPLICANT: BALLOUT, Jean-Marc
; APPLICANT: SCHOLL, Suzy
; APPLICANT: LACOSTE, Jerome
; TITLE OF INVENTION: Combination products for use in antitumoral treatment.
; FILE REFERENCE: 346 324 - US
; CURRENT APPLICATION NUMBER: US/10/500,709
; CURRENT FILING DATE: 2004-07-02
; PRIOR APPLICATION NUMBER: PCT/FR 03/00 007
; PRIOR FILING DATE: 2003-01-03
; PRIOR APPLICATION NUMBER: FR 02/00 029
; PRIOR FILING DATE: 2002-01-03
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence:
; OTHER INFORMATION: synthetic oligonucleotide
US-10-500-709-5

Query Match 100.0%; Score 6; DB 6; Length 18;
Best Local Similarity 66.7%; Pred. No. 4.3e+04;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGG 6
.:|||
Db 10 UTAGG 15

RESULT 11
US-10-517-544-58
; Sequence 58, Application US/10517544
; Publication No. US20050250100A1
; GENERAL INFORMATION:
; APPLICANT: RIKEN
; APPLICANT: KABUSHIKI KAISHA DNAFORM
; TITLE OF INVENTION: Method for utilizing the 5' end of mRNA for cloning and analysis
; FILE REFERENCE: 1336(PCT)
; CURRENT APPLICATION NUMBER: US/10/517,544
; PRIOR FILING DATE: 2004-12-10
; PRIOR APPLICATION NUMBER: JP 2002-171851
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: JP 2002-235294
; PRIOR FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: zzb21106i09c3 junk
US-10-517-544-58

Query Match 100.0%; Score 6; DB 6; Length 18;
Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 3 TTAGGG 8

RESULT 12
US-10-520-502-13/C
; Sequence 13, Application US/10520502
; Publication No. US20050260591A1
; GENERAL INFORMATION:
; APPLICANT: Oxford Biomedica (UK) Ltd.
; APPLICANT: Cancer Research Technology Limited
; APPLICANT: Ward, Christopher M.
; APPLICANT: Carroll, Miles W.
; APPLICANT: Stern, Peter L.
; TITLE OF INVENTION: 5T4 Antigen Expression
; FILE REFERENCE: 021911-00110US
; CURRENT APPLICATION NUMBER: US/10/520,502
; CURRENT FILING DATE: 2005-01-03
; PRIOR APPLICATION NUMBER: PCT/GB2003/002836
; PRIOR FILING DATE: 2003-07-02
; PRIOR APPLICATION NUMBER: GB 0215287.4
; PRIOR FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US 10/434,885
; PRIOR FILING DATE: 2003-05-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: PCR primer Rex-1 F
US-10-520-502-13

Query Match 100.0%; Score 6; DB 6; Length 18;
Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 9 TTAGGG 4

RESULT 13
US-10-750-185-10851/C
; Sequence 10851, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10851
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Reverse Primer
US-10-750-185-10851

Query Match 100.0%; Score 6; DB 6; Length 18;
Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 10 TTAGGG 5

RESULT 14
US-10-750-185-12060/C
; Sequence 12060, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMT GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: PANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM11100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12060
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Reverse Primer
US-10-750-185-12060

Query Match 100.0%; Score 6; DB 6; Length 18;
Best Local Similarity 100.0%; Pred. No. 4.3e+04;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGGG 6
Db 13 TTAGGG 8

RESULT 15

US-10-750-185-12884/c
 ; Sequence 12884, Application US/10750185
 ; Publication No. US20050260603A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MMI GENOMICS, INC.
 ; APPLICANT: DENISE, Sue K.
 ; APPLICANT: KERR, Richard
 ; APPLICANT: ROSENFELD, David
 ; APPLICANT: HOLM, Tom
 ; APPLICANT: BATES, Stephen
 ; APPLICANT: PARTIN, Dennis
 ; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
 ; FILE REFERENCE: MM1100-2
 ; CURRENT APPLICATION NUMBER: US/10/750,185
 ; CURRENT FILING DATE: 2003-12-31
 ; PRIOR APPLICATION NUMBER: US 60/437,482
 ; PRIOR FILING DATE: 2002-12-31
 ; NUMBER OF SEQ ID NOS: 64922
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 12884
 ; LENGTH: 18
 ; TYPE: DNA
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Reverse Primer
 US-10-750-185-12884

Query Match 100.0%; Score 6; DB 6; Length 18;
 Best Local Similarity 100.0%; Pred. No. 4.3e+04;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTAGG 6
 |||||
 Db 8 TTAGG 3

Search completed: January 6, 2006, 16:13:03
 Job time : 116.583 secs

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LENGTH: 25
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Probe sequence
US-11-136-527-175326

Query Match 71.0%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATTCATTACGTAC 19
Db 24 GTATGCACGCAATTATGTAC 6

RESULT 3
US-11-136-527-175327/C
Sequence 175327, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 175327
LENGTH: 25
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Probe sequence
US-11-136-527-175327

Query Match 71.0%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATTCATTACGTAC 19
Db 25 GTATGCACGCAATTATGTAC 7

RESULT 4
US-11-136-527-175350/C
Sequence 175350, Application US/11136527
Publication No. US20050287570A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M
TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031896-041000 (AM101086)
CURRENT APPLICATION NUMBER: US/11/136,527
CURRENT FILING DATE: 2005-05-25
PRIOR APPLICATION NUMBER: US 60/574,294
PRIOR FILING DATE: 2005-05-26
NUMBER OF SEQ ID NOS: 362830
SOFTWARE: PatentIn version 3.2
SEQ ID NO 175350
LENGTH: 25
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Probe sequence
US-11-136-527-175350

Query Match 71.0%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 2.1e+02;

Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1 GCATGCATTCATTACGTAC 19
Db 19 GTATGCACGCAATTATGTAC 1

RESULT 5
US-11-121-849-458129
Sequence 458129, Application US/11121849
Publication No. US20050272080A1
GENERAL INFORMATION:
APPLICANT: John Palma
TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded Se
FILE REFERENCE: 3684.1
CURRENT APPLICATION NUMBER: US/11/121,849
CURRENT FILING DATE: 2005-05-03
PRIOR APPLICATION NUMBER: 60/567,949
PRIOR FILING DATE: 2004-05-03
NUMBER OF SEQ ID NOS: 673904
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 458129
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-11-121-849-458129

Query Match 66.0%; Score 13.2; DB 7; Length 25;
Best Local Similarity 83.3%; Pred. No. 6.9e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GCATGCATTCATTACGTA 18
Db 1 GTATGCCTGCATTACATA 18

RESULT 6
US-11-101-244-126981
Sequence 126981, Application US/11101244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvoirova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 126981
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-126981

Query Match 64.0%; Score 12.8; DB 8; Length 19;
Best Local Similarity 62.5%; Pred. No. 1.1e+03;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 3 ATGCATGCATTCATTACGTA 18
Db 4 AUGCAUGCAUAUACUUA 19

RESULT 7
US-11-101-244-321180
; Sequence 321180, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 321180
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-321180

Query Match 64.0%; Score 12.8; DB 8; Length 19;
Best Local Similarity 56.2%; Pred. No. 1.1e+03;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
Cy 2 TCATGATTCATTCAT 17
Db 4 CAUGCAUUCAUUACGU 19

RESULT 8
US-11-101-244-521945
; Sequence 521945, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 521945
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-521945

Query Match 64.0%; Score 12.8; DB 8; Length 19;
Best Local Similarity 56.2%; Pred. No. 1.1e+03;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
Cy 4 TGCATGATTCATTCAT 19
Db 2 UUCAUGCAUUCACUAC 17

RESULT 9

US-11-101-244-1446464/c
; Sequence 1446464, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1446464
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-1446464

Query Match 64.0%; Score 12.8; DB 8; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Cy 4 TGCATGATTCATTCAT 19
Db 16 TTGATGATTCATTCAT 1

RESULT 10
US-11-083-784-126981
; Sequence 126981, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; PRIOR FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 126981
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-126981

Query Match 64.0%; Score 12.8; DB 9; Length 19;
Best Local Similarity 62.5%; Pred. No. 1.1e+03;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
Cy 3 ATGCATGATTCATTCAT 18
Db 4 AUGCAUGCAUUCACUAC 19

RESULT 11
US-11-083-784-321180
; Sequence 321180, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 321180
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-321180

Query Match 64.0%; Score 12.8; DB 9; Length 19;
Best Local Similarity 56.2%; Pred. No. 1.1e+03;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 2 CATGATGATTCATTCGT 17
|||:|:|:|:|:|:|:
DB 4 CAUGAUCUACUACU 19

RESULT 12
US-11-083-784-521945
; Sequence 521945, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 521945
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-521945

Query Match 64.0%; Score 12.8; DB 9; Length 19;
Best Local Similarity 56.2%; Pred. No. 1.1e+03;
Matches 9; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
QY 4 TGCATGATTCATTC 19
:|:|:|:|:|:|:|:|:|:|

DB 2 UUCAGUACUACUAC 17

RESULT 13
US-11-083-784-1446464/c
; Sequence 1446464, Application US/11083784
; Publication No. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1446464
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-1446464

Query Match 64.0%; Score 12.8; DB 9; Length 19;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 TGCATGATTCATTC 19
|:|:|:|:|:|:|:|:|:
DB 16 TTCATGATTCATTC 1

RESULT 14
US-11-121-849-8153/c
; Sequence 8153, Application US/1121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded Se
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 8153
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-8153

Query Match 64.0%; Score 12.8; DB 7; Length 25;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CATGATGATTCATTC 17
|||:|:|:|:|:|:|:
DB 24 CATGATGATTCATTC 9

RESULT 15
US-11-121-849-125165

```

; Sequence 125165, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; TITLE OF INVENTION: Microarray
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 125165
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
; US-11-121-849-125165

```

```

Query Match          64.0%; Score 12.8; DB 7; Length 25;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      3 ATGCATGCATTACGTA 18
        |||||
Db      9 ATGCATGCATTA 24

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Search completed: January 6, 2006, 16:13:03
 Job time : 388.611 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:56 ; Search time 730.833 Seconds
(without alignments)
226.300 Million cell updates/sec

Title: US-09-540-843-8

Perfect score: 20

Sequence: 1 gcacgcatgcatcagcagc 20

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11679888

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

1: Published Applications NA_Main:*
2: /cgn2_6/ptodaca/1/pubpna/US07_PUBCOMB.seq:*
3: /cgn2_6/ptodaca/1/pubpna/US08_PUBCOMB.seq:*
4: /cgn2_6/ptodaca/1/pubpna/US09_PUBCOMB.seq:*
5: /cgn2_6/ptodaca/1/pubpna/US10A_PUBCOMB.seq:*
6: /cgn2_6/ptodaca/1/pubpna/US10C_PUBCOMB.seq:*
7: /cgn2_6/ptodaca/1/pubpna/US10D_PUBCOMB.seq:*
8: /cgn2_6/ptodaca/1/pubpna/US10E_PUBCOMB.seq:*
9: /cgn2_6/ptodaca/1/pubpna/US10F_PUBCOMB.seq:*
10: /cgn2_6/ptodaca/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	20	100.0	20 5 US-10-122-630-8	Sequence 8, Appli
2	20	100.0	20 5 US-10-122-633-8	Sequence 8, Appli
3	14.4	72.0	25 7 US-10-719-956-185706	Sequence 185706,
4	14.4	72.0	75 7 US-10-430-201-846	Sequence 846, App
5	14.4	72.0	75 7 US-10-430-201-847	Sequence 847, App
6	14.4	72.0	75 7 US-10-430-201-848	Sequence 848, App
7	14.2	71.0	25 7 US-10-719-956-618095	Sequence 618095,
8	14.2	71.0	25 7 US-10-719-956-618096	Sequence 618096,
9	14.2	71.0	25 8 US-10-719-900-18303	Sequence 18303, A
10	14.2	71.0	25 8 US-10-719-900-665799	Sequence 665799,
11	14.2	71.0	123 8 US-10-425-115-178377	Sequence 178377,
12	14.2	71.0	141 7 US-10-282-122A-11843	Sequence 11843, A
13	14.2	71.0	153 3 US-09-727-892-12	Sequence 32, Appli
14	14.2	71.0	175 7 US-10-437-963-71654	Sequence 71654, A
15	14.2	71.0	191 7 US-10-437-963-32687	Sequence 32687, A
16	13.8	69.0	25 8 US-10-719-900-102233	Sequence 102233,
17	13.8	69.0	25 8 US-10-719-900-102234	Sequence 102234,
18	13.8	69.0	162 2 US-08-781-986A-1694	Sequence 1694, Ap
19	13.8	69.0	162 7 US-10-339-624-1694	Sequence 1694, Ap
20	13.8	69.0	173 7 US-10-434-589-76449	Sequence 76449, A
21	13.8	69.0	177 7 US-10-424-589-1569	Sequence 1569, Ap
22	13.8	69.0	180 7 US-10-424-599-59127	Sequence 59127, A
23	13.8	69.0	187 7 US-10-424-599-76527	Sequence 76527, A

24	13.8	69.0	192 8 US-10-425-115-148617	Sequence 148617,
25	13.6	68.0	25 8 US-10-719-900-573924	Sequence 573924,
26	13.6	68.0	112 7 US-10-437-963-46744	Sequence 46744, A
27	13.6	68.0	165 7 US-10-242-535A-18933	Sequence 18933, A
28	13.6	68.0	165 7 US-10-085-783A-18933	Sequence 18933, A
29	13.6	68.0	177 8 US-10-425-115-15874	Sequence 15874, A
30	13.6	68.0	179 7 US-10-437-963-87658	Sequence 87658, A
31	13.6	68.0	187 7 US-10-021-323-16957	Sequence 16957, A
32	13.4	67.0	25 8 US-10-719-900-356387	Sequence 356387,
33	13.4	67.0	25 10 US-11-036-317-806439	Sequence 806439,
34	13.4	67.0	72 9 US-10-971-736-15	Sequence 15, Appli
35	13.4	67.0	155 7 US-10-767-701-21523	Sequence 21523, A
36	13.4	67.0	175 3 US-09-728-444-656	Sequence 656, App
37	13.4	67.0	188 7 US-10-424-599-129131	Sequence 129131,
38	13.2	66.0	25 7 US-10-681-773-12312	Sequence 12312, A
39	13.2	66.0	25 7 US-10-681-773-34821	Sequence 34821, A
40	13.2	66.0	25 7 US-10-681-773-67670	Sequence 67670, A
41	13.2	66.0	25 7 US-10-681-773-89536	Sequence 89536, A
42	13.2	66.0	25 7 US-10-681-773-98569	Sequence 98569, A
43	13.2	66.0	25 7 US-10-719-956-666276	Sequence 666276,
44	13.2	66.0	25 8 US-10-719-900-632764	Sequence 632764,
45	13.2	66.0	25 8 US-10-719-900-703238	Sequence 703238,

ALIGNMENTS

RESULT 1
US-10-122-630-8
; Sequence 8, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Ellner, Mark S.
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054, 1088-018
; CURRENT APPLICATION NUMBER: US/10/122, 630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467, 012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048, 927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540, 843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-8
Query Match 100.0%; Score 20; DB 5; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.8;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 GCATGATGATTCATGACG 20
Db 1 GCATGATGATTCATGACG 20
RESULT 2
US-10-122-633-8
; Sequence 8, Application US/10122633
; Publication No. US20030032611A1

```

; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Eller, Mark S.
; APPLICANT: Vaar, Mina
; TITLE OF INVENTION: Method to inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122,633
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-8
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Query Match          100.0%; Score 20; DB 5; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.8;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 GCATGCATGATTACGTACG 20
DB      1 GCATGCATGATTACGTACG 20
```

```

RESULT 3
US-10-719-956-185706/c
; Sequence 185706, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 185706
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-185706
```

```
Query Match          72.0%; Score 14.4; DB 7; Length 25;
Best Local Similarity 93.8%; Pred. No. 3.4e+03;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      3 ATGCATGCATTACGTA 18
DB      25 ATGCATGCATTACGTA 10
```

```

RESULT 4
US-10-430-201-846/c
; Sequence 846, Application US/10430201
; Publication No. US20040162679A1
; GENERAL INFORMATION:
; APPLICANT: Li, Linheng
; TITLE OF INVENTION: Method for Predicting Gene Potential and Cell Commitment
; FILE REFERENCE: 40716 (1P-010)
; CURRENT APPLICATION NUMBER: US/10/430,201
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 60/370,114
; PRIOR FILING DATE: 2002-05-03
```

```

; NUMBER OF SEQ ID NOS: 4879
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 846
; LENGTH: 75
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-430-201-846
```

```
Query Match          72.0%; Score 14.4; DB 7; Length 75;
Best Local Similarity 93.8%; Pred. No. 3.5e+03;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      3 ATGCATGCATTACGTA 18
DB      54 ATGCATGCATTACGTA 39
```

```

RESULT 5
US-10-430-201-847/c
; Sequence 847, Application US/10430201
; Publication No. US20040162679A1
; GENERAL INFORMATION:
; APPLICANT: Li, Linheng
; TITLE OF INVENTION: Method for Predicting Gene Potential and Cell Commitment
; FILE REFERENCE: 40716 (1P-010)
; CURRENT APPLICATION NUMBER: US/10/430,201
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 60/370,114
; PRIOR FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 4879
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 847
; LENGTH: 75
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-430-201-847
```

```
Query Match          72.0%; Score 14.4; DB 7; Length 75;
Best Local Similarity 93.8%; Pred. No. 3.5e+03;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      3 ATGCATGCATTACGTA 18
DB      54 ATGCATGCATTACGTA 39
```

```

RESULT 6
US-10-430-201-848/c
; Sequence 848, Application US/10430201
; Publication No. US20040162679A1
; GENERAL INFORMATION:
; APPLICANT: Li, Linheng
; TITLE OF INVENTION: Method for Predicting Gene Potential and Cell Commitment
; FILE REFERENCE: 40716 (1P-010)
; CURRENT APPLICATION NUMBER: US/10/430,201
; CURRENT FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: US 60/370,114
; PRIOR FILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 4879
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 848
; LENGTH: 75
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-430-201-848
```

```
Query Match          72.0%; Score 14.4; DB 7; Length 75;
Best Local Similarity 93.8%; Pred. No. 3.5e+03;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      3 ATGCATGCATTACGTA 18
DB      54 ATGCATGCATTACGTA 39
```

```
RESULT 7
US-10-719-956-618095
; Sequence 618095, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; PRIOR FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 618095
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-618095

Query Match      71.0%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 4.2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTAC 19
Db      6 GCATCACGCATTACGAAAC 24

RESULT 8
US-10-719-956-618096
; Sequence 618096, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; PRIOR FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 618096
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-618096

Query Match      71.0%; Score 14.2; DB 7; Length 25;
Best Local Similarity 84.2%; Pred. No. 4.2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTAC 19
Db      6 GCATCACGCATTACGAAAC 24

RESULT 9
US-10-719-900-18303/C
; Sequence 18303, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; PRIOR FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
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; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 18303
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-18303

Query Match      71.0%; Score 14.2; DB 8; Length 25;
Best Local Similarity 84.2%; Pred. No. 4.2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTAC 19
Db      24 GCATGCATGCATTACGTAC 6

RESULT 10
US-10-719-900-665799/C
; Sequence 665799, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; PRIOR FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 665799
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-665799

Query Match      71.0%; Score 14.2; DB 8; Length 25;
Best Local Similarity 84.2%; Pred. No. 4.2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTAC 19
Db      19 GTATGCACGATTATGTAC 1

RESULT 11
US-10-425-115-178377
; Sequence 178377, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; PRIOR FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 178377
; LENGTH: 123
; TYPE: DNA
; ORGANISM: Zee mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MET4577_94267C.1
US-10-425-115-178377

Query Match      71.0%; Score 14.2; DB 8; Length 123;
Best Local Similarity 84.2%; Pred. No. 4.5e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 GCATGCATGCATTACGTAC 19
```

Db 86 GCATGCGCATGATGCGAC 104

RESULT 12

US-10-282-122A-11843/C
Sequence 11843, Application US/10282122A
Publication No. US20040029129A1

GENERAL INFORMATION:

APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zyskind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

FILE REFERENCE: EUTRA 034A

CURRENT APPLICATION NUMBER: US/10/282,122A

PRIOR FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/230,335

PRIOR FILING DATE: 2000-09-06

PRIOR APPLICATION NUMBER: 60/230,347

PRIOR FILING DATE: 2000-09-09

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/267,636

PRIOR FILING DATE: 2001-02-09

PRIOR APPLICATION NUMBER: 60/269,308

PRIOR FILING DATE: 2001-02-16

Remaining Prior Application data removed - See file Wrapper or PALM.

NUMBER OF SEQ ID NOS: 78614

SOFTWARE: PatentIn version 3.1

SEQ ID NO 11843

LENGTH: 141

TYPE: DNA

ORGANISM: Burkholderia cepacia

US-10-282-122A-11843

Query Match 71.0%; Score 14.2; DB 7; Length 141;
Best Local Similarity 84.2%; Pred. No. 4.5e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCATGCGCATGATGCTAC 19
Db 38 GCCTGCGCATGATGCGAC 20

RESULT 13

US-09-727-892-32/C

Sequence 32, Application US/09727892

Publication No. US20040091856A1

GENERAL INFORMATION:

APPLICANT: PhageTech, Inc.
APPLICANT: PELLETIER, Jerry
APPLICANT: GROS, Philippe
APPLICANT: DUBOW, Michael
TITLE OF INVENTION: DNA SEQUENCES FROM STAPHYLOCOCCUS AUREUS BACTERIOPHAGE 44 AHJD

TITLE OF INVENTION: THAT ENCODE ANTI-MICROBIAL POLYPEPTIDES

FILE REFERENCE: 073406-0302

CURRENT APPLICATION NUMBER: US/09/727,892

CURRENT FILING DATE: 2000-12-01

NUMBER OF SEQ ID NOS: 159

SOFTWARE: PatentIn version 3.0

SEQ ID NO 32

LENGTH: 153

TYPE: DNA

ORGANISM: Staphylococcus aureus Bacteriophage 44 AHJD

Query Match 71.0%; Score 14.2; DB 3; Length 153;
Best Local Similarity 84.2%; Pred. No. 4.6e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCATGCGCATGATGCTAC 19
Db 70 GCATGCTGCGCATGCTTC 52

RESULT 14

US-10-437-963-71654/C

Sequence 71654, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 71654

LENGTH: 175

TYPE: DNA

ORGANISM: Oryza sativa

FEATURE:

OTHER INFORMATION: Clone ID: PAT_MRT4530_72107C.1

US-10-437-963-71654

Query Match 71.0%; Score 14.2; DB 7; Length 175;
Best Local Similarity 84.2%; Pred. No. 4.6e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 CATTGCGCATGCTTACG 20
Db 46 CATTGCGCATGCTTACG 28

RESULT 15

US-10-437-963-33687/C

Sequence 33687, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(53221)B

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; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ. ID NOS: 204966
; SEQ. ID NO 32687
; LENGTH: 191
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_36871C.1
US-10-437-963-32687

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Query Match      71.0%; Score 14.2; DB 7; Length 191;
Best Local Similarity 84.2%; Pred. No. 4.6e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      2 CATGCATGCATTACGTACG 20
        ||| ||||| |||||
Db      62 CATGCATGCATTCTGTACG 44

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Search completed: January 6, 2006, 16:57:04
 Job time : 731.833 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:55 / Search time 97.1528 Seconds
(without alignments)
37.515 Million cell updates/sec

Title: US-09-540-843-6
Perfect score: 5
Sequence: 1 catcac 5

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 4637609 seqs, 364468668 residues

Total number of hits satisfying chosen parameters: 8807346

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications NA New:
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2: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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4: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
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9: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	5	100.0	9	7	US-11-103-122-23
2	5	100.0	9	7	US-11-103-122-27
3	5	100.0	10	6	US-10-972-764-21
4	5	100.0	10	7	US-11-152-497-9
5	5	100.0	14	6	US-10-995-561-85215
6	5	100.0	14	7	US-11-087-072-7
7	5	100.0	15	6	US-10-788-028-10
8	5	100.0	15	6	US-10-909-125-2032
9	5	100.0	15	6	US-10-909-125-2033
10	5	100.0	15	6	US-10-909-125-2034
11	5	100.0	15	6	US-10-909-125-2035
12	5	100.0	15	6	US-10-909-125-2036
13	5	100.0	15	6	US-10-909-125-2150
14	5	100.0	15	6	US-10-909-125-2151
15	5	100.0	15	6	US-10-972-764-3
16	5	100.0	15	6	US-10-972-764-9
17	5	100.0	15	6	US-10-995-561-85385
18	5	100.0	15	6	US-10-524-647-69
19	5	100.0	16	6	US-10-788-028-6
20	5	100.0	16	7	US-11-065-545-49
21	5	100.0	16	7	US-11-050-174A-57
22	5	100.0	17	6	US-10-633-150-89
23	5	100.0	17	6	US-10-857-780-1105

C	24	5	100.0	17	6	US-10-857-780-1106	Sequence 1106, Ap
C	25	5	100.0	17	6	US-10-857-780-1208	Sequence 1208, Ap
C	26	5	100.0	17	6	US-10-965-694-86	Sequence 86, Appl
C	27	5	100.0	17	6	US-10-995-561-85386	Sequence 85386, A
C	28	5	100.0	17	6	US-10-509-121-26	Sequence 26, Appl
C	29	5	100.0	17	7	US-11-176-795-17	Sequence 17, Appl
C	30	5	100.0	17	7	US-11-176-795-28	Sequence 28, Appl
C	31	5	100.0	17	7	US-11-073-457-89	Sequence 89, Appl
C	32	5	100.0	17	7	US-11-084-717-2	Sequence 2, Appl1
C	33	5	100.0	17	7	US-11-069-908-5939	Sequence 5939, Ap
C	34	5	100.0	17	7	US-11-179-244-2	Sequence 2, Appl1
C	35	5	100.0	17	7	US-11-065-545-53	Sequence 53, Appl
C	36	5	100.0	17	7	US-11-065-545-60	Sequence 60, Appl
C	37	5	100.0	17	7	US-11-073-460-89	Sequence 89, Appl
C	38	5	100.0	17	7	US-11-005-881-42	Sequence 42, Appl
C	39	5	100.0	18	6	US-10-500-831-65	Sequence 65, Appl
C	40	5	100.0	18	6	US-10-500-831-348	Sequence 348, App
C	41	5	100.0	18	6	US-10-502-795-12	Sequence 12, Appl
C	42	5	100.0	18	6	US-10-844-603A-214	Sequence 214, App
C	43	5	100.0	18	6	US-10-750-185-10252	Sequence 10252, A
C	44	5	100.0	18	6	US-10-750-185-11532	Sequence 11532, A
C	45	5	100.0	18	6	US-10-750-185-13420	Sequence 13420, A

ALIGNMENTS

RESULT 1
US-11-103-122-23
; Sequence 23, Application US/11103122
; Publication No. US20050282190A1
; GENERAL INFORMATION:
; APPLICANT: Shi, Hua
; TITLE OF INVENTION: MODULAR DESIGN AND CONSTRUCTION OF NUCLEIC ACID
; TITLE OF INVENTION: MOLECULES, APPTIMER-DERIVED NUCLEIC ACID CONSTRUCTS, RNA
; FILE REFERENCE: 19603/4491
; CURRENT APPLICATION NUMBER: US/11/103,122
; CURRENT FILING DATE: 2005-04-11
; PRIOR APPLICATION NUMBER: 60/560,895
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 9
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: functional
; OTHER INFORMATION: element N1
US-11-103-122-23
Query Match 100.0%; Score 5; DB 7; Length 9;
Best Local Similarity 80.0%; Pred. No. 7.6e+07;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
C 1 CATCAC 5
D 3 CAUAC 7
US-11-103-122-27
; Sequence 27, Application US/11103122
; Publication No. US20050282190A1
; GENERAL INFORMATION:
; APPLICANT: Shi, Hua
; APPLICANT: Lls, John T.
; TITLE OF INVENTION: MODULAR DESIGN AND CONSTRUCTION OF NUCLEIC ACID
; TITLE OF INVENTION: MOLECULES, APPTIMER-DERIVED NUCLEIC ACID CONSTRUCTS, RNA
; TITLE OF INVENTION: SCAFFOLDS, THEIR EXPRESSION, AND METHODS OF USE
; FILE REFERENCE: 19603/4491

;; CURRENT APPLICATION NUMBER: US/11/103,122
;; CURRENT FILING DATE: 2005-04-11
;; PRIOR APPLICATION NUMBER: 60/560,895
;; PRIOR FILING DATE: 2004-04-09
;; NUMBER OF SEQ ID NOS: 50
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 27
;; LENGTH: 9
;; TYPE: RNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: functional
;; OTHER INFORMATION: element N1
US-11-103-122-27

Query Match 100.0%; Score 5; DB 7; Length 9;
Best Local Similarity 80.0%; Pred. No. 7.6e+07;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 3 CAUAC 7

RESULT 3
US-10-972-764-21
;; Sequence 21, Application US/10972764
;; Publication No. US20050260613A1
;; GENERAL INFORMATION:
;; APPLICANT: Aerssens, Jeroen
;; APPLICANT: Athanasiou, Maria
;; APPLICANT: Brain, Carlos
;; APPLICANT: Cohen, Nadine
;; APPLICANT: Dain, Bradley
;; APPLICANT: Denton, R. Rex
;; APPLICANT: Judson, Richard S
;; APPLICANT: Ozdemir, Vural
;; APPLICANT: Reed, Carol R.
;; TITLE OF INVENTION: LRPAP1 Genetic Markers Associated with Galantamine Response
;; FILE REFERENCE: 2300.0040001
;; CURRENT APPLICATION NUMBER: US/10/972,764
;; CURRENT FILING DATE: 2004-10-26
;; PRIOR APPLICATION NUMBER: 60/515,414
;; PRIOR FILING DATE: 2003-10-28
;; NUMBER OF SEQ ID NOS: 59
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO 21
;; LENGTH: 10
;; TYPE: DNA
;; ORGANISM: Artificial
;; FEATURE:
;; OTHER INFORMATION: Forward Primer Extension Oligos for Detecting Alleles at Pse in
;; OTHER INFORMATION: Haplotypes Comprising Preferred Embodiments of Response Markers I
;; OTHER INFORMATION: and Response Markers II
US-10-972-764-21

Query Match 100.0%; Score 5; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 6 CATAC 10

RESULT 4
US-11-152-497-9/c
;; Sequence 9, Application US/11152497
;; Publication No. US20050277150A1
;; GENERAL INFORMATION:
;; APPLICANT: Cheung, Ambrose
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING AGENTS WHICH
;; TITLE OF INVENTION: REGULATE AUTOLYTIC

;; TITLE OF INVENTION: PROCESSES IN BACTERIA
;; FILE REFERENCE: DC-0202
;; CURRENT APPLICATION NUMBER: US/11/152,497
;; CURRENT FILING DATE: 2005-06-14
;; PRIOR APPLICATION NUMBER: US/10/290,143
;; PRIOR FILING DATE: 2002-11-06
;; PRIOR APPLICATION NUMBER: US 10/092,264
;; PRIOR FILING DATE: 2002-03-06
;; PRIOR APPLICATION NUMBER: US 60/329,140
;; PRIOR FILING DATE: 2001-10-12
;; PRIOR APPLICATION NUMBER: US 60/312,546
;; PRIOR FILING DATE: 2001-08-15
;; PRIOR APPLICATION NUMBER: US 60/273,791
;; PRIOR FILING DATE: 2001-03-06
;; NUMBER OF SEQ ID NOS: 17
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 9
;; LENGTH: 10
;; TYPE: DNA
;; ORGANISM: Staphylococcus aureus
US-11-152-497-9

Query Match 100.0%; Score 5; DB 7; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 10 CATAC 6

RESULT 5
US-10-995-561-85215/c
;; Sequence 85215, Application US/10995561
;; Publication No. US20050272054A1
;; GENERAL INFORMATION:
;; APPLICANT: CARGILL, Michele et al.
;; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
;; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
;; TITLE OF INVENTION: DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001559
;; CURRENT APPLICATION NUMBER: US/10/995,561
;; CURRENT FILING DATE: 2004-11-24
;; NUMBER OF SEQ ID NOS: 85702
;; SOFTWARE: FastSeq For Windows Version 4.0
;; SEQ ID NO 85215
;; LENGTH: 14
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-995-561-85215

Query Match 100.0%; Score 5; DB 6; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 14 CATAC 10

RESULT 6
US-11-087-072-7/c
;; Sequence 7, Application US/11087072
;; Publication No. US20050272069A1
;; GENERAL INFORMATION:
;; APPLICANT: Olopade, Olufumilayo I.
;; TITLE OF INVENTION: METHYLTHIOADENOSINE PHOSPHORYLASE
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE IN
;; THE DIAGNOSIS AND TREATMENT OF
;; PROLIFERATIVE DISORDERS
;; NUMBER OF SEQUENCES: 15
;; CORRESPONDENCE ADDRESSES:
;; ADDRESSES: Arnold, White & Durkee

STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/087,072
FILING DATE: 22-Mar-2005
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/674,311
FILING DATE: 01-JUL-1996
APPLICATION NUMBER: US 60/000,831
FILING DATE: 02-JUL-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: ARSB:509
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-11-087-072-7
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
Query Match 100.0%; Score 5; DB 7; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CATAC 5
Db 13 CATAC 9
RESULT 7
US-10-788-028-10
Sequence 10, Application US/10788028
GENERAL INFORMATION:
APPLICANT: Semple, Sean
APPLICANT: Harsaym, Troy
APPLICANT: Klimuk, Sandra
APPLICANT: Kojic, Ujjiljana
APPLICANT: Bramson, Jonathan
APPLICANT: Mui, Barbara
APPLICANT: Hope, Michael
TITLE OF INVENTION: COMPOSITIONS FOR STIMULATING CYTOKINE SECRETION AND
TITLE OF INVENTION: INDUCING AN IMMUNE
FILE REFERENCE: INEXP006US
CURRENT APPLICATION NUMBER: US/10/788,028
CURRENT FILING DATE: 2004-06-26
PRIOR APPLICATION NUMBER: US/09/649,527
PRIOR FILING DATE: 2000-08-28
PRIOR APPLICATION NUMBER: 60/176,406
PRIOR FILING DATE: 2000-01-13
PRIOR APPLICATION NUMBER: 60/151,211
PRIOR FILING DATE: 1999-08-27
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patent Version 3.0
SEQ ID NO 10
LENGTH: 15
TYPE: DNA

ORGANISM: plasmid
FEATURE:
NAME/KEY: control PO
LOCATION: (1)..(15)
US-10-788-028-10
Query Match 100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CATAC 5
Db 4 CATAC 8
RESULT 8
US-10-909-125-2032/c
Sequence 2032, Application US/10909125
GENERAL INFORMATION:
APPLICANT: Esau, Christine
APPLICANT: Lollo, Bridget
APPLICANT: Bennett, C. Frank
APPLICANT: Freier, Susan M.
APPLICANT: Griffey, Richard H.
APPLICANT: Baker, Brenda F.
APPLICANT: Vickers, Timothy
APPLICANT: Marcussen, Eric G.
APPLICANT: Koller, Erich
APPLICANT: Swayze, Eric
APPLICANT: Jain, Ravi
APPLICANT: Bhat, Balkrishen
APPLICANT: Peralta, Eigen
TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
TITLE OF INVENTION: Of Small Non-Coding RNAs
FILE REFERENCE: ISI0080-100 (CORE0016US)
CURRENT APPLICATION NUMBER: US/10/909,125
CURRENT FILING DATE: 2004-07-30
PRIOR APPLICATION NUMBER: US 60/492,056
PRIOR FILING DATE: 2003-07-31
PRIOR APPLICATION NUMBER: US 60/516,303
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 60/531,596
PRIOR FILING DATE: 2003-12-19
PRIOR APPLICATION NUMBER: US 60/562,417
PRIOR FILING DATE: 2004-04-14
NUMBER OF SEQ ID NOS: 2184
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2032
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligomeric compound
US-10-909-125-2032
Query Match 100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CATAC 5
Db 8 CATAC 4
RESULT 9
US-10-909-125-2033/c
Sequence 2033, Application US/10909125
GENERAL INFORMATION:
APPLICANT: Esau, Christine
APPLICANT: Lollo, Bridget
APPLICANT: Bennett, C. Frank

```
/ APPLICANT: Freiler, Susan M.
/ APPLICANT: Griffey, Richard H.
/ APPLICANT: Baker, Brenda F.
/ APPLICANT: Vickers, Timothy
/ APPLICANT: Marcussen, Eric G.
/ APPLICANT: Koller, Eric
/ APPLICANT: Swayze, Eric
/ APPLICANT: Jain, Ravi
/ APPLICANT: Bhat, Balkrishen
/ APPLICANT: Peralta, Eigen
/ TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
/ FILE REFERENCE: ISIS0080-100 (CORE0016US)
/ CURRENT APPLICATION NUMBER: US/10/909,125
/ PRIOR FILING DATE: 2004-07-30
/ PRIOR APPLICATION NUMBER: US 60/492,056
/ PRIOR FILING DATE: 2003-07-31
/ PRIOR APPLICATION NUMBER: US 60/516,303
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: US 60/531,596
/ PRIOR FILING DATE: 2003-12-19
/ PRIOR APPLICATION NUMBER: US 60/562,417
/ PRIOR FILING DATE: 2004-04-14
/ NUMBER OF SEQ ID NOS: 2184
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2033
/ LENGTH: 15
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligomeric compound
US-10-909-125-2033
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Query Match 100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 CATAC 5
Db 10 CATAC 6

RESULT 10
US-10-909-125-2034/c
/ Sequence 2034, Application US/10909125
/ Publication No. US20050261218A1
/ GENERAL INFORMATION:
/ APPLICANT: Beau, Christine
/ APPLICANT: Lolio, Bridget
/ APPLICANT: Bennett, C. Frank
/ APPLICANT: Freiler, Susan M.
/ APPLICANT: Griffey, Richard H.
/ APPLICANT: Baker, Brenda F.
/ APPLICANT: Vickers, Timothy
/ APPLICANT: Marcussen, Eric G.
/ APPLICANT: Koller, Eric
/ APPLICANT: Swayze, Eric
/ APPLICANT: Jain, Ravi
/ APPLICANT: Bhat, Balkrishen
/ APPLICANT: Peralta, Eigen
/ TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
/ FILE REFERENCE: ISIS0080-100 (CORE0016US)
/ CURRENT APPLICATION NUMBER: US/10/909,125
/ PRIOR FILING DATE: 2004-07-30
/ PRIOR APPLICATION NUMBER: US 60/492,056
/ PRIOR FILING DATE: 2003-07-31
/ PRIOR APPLICATION NUMBER: US 60/516,303
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: US 60/531,596
/ PRIOR FILING DATE: 2003-12-19
/ PRIOR APPLICATION NUMBER: US 60/562,417
/ PRIOR FILING DATE: 2004-04-14
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/ NUMBER OF SEQ ID NOS: 2184
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2034
/ LENGTH: 15
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligomeric compound
US-10-909-125-2034
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```
Query Match 100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 CATAC 5
Db 12 CATAC 8
```

```
RESULT 11
US-10-909-125-2035/c
/ Sequence 2035, Application US/10909125
/ Publication No. US20050261218A1
/ GENERAL INFORMATION:
/ APPLICANT: Beau, Christine
/ APPLICANT: Lolio, Bridget
/ APPLICANT: Bennett, C. Frank
/ APPLICANT: Freiler, Susan M.
/ APPLICANT: Griffey, Richard H.
/ APPLICANT: Baker, Brenda F.
/ APPLICANT: Vickers, Timothy
/ APPLICANT: Marcussen, Eric G.
/ APPLICANT: Koller, Eric
/ APPLICANT: Swayze, Eric
/ APPLICANT: Jain, Ravi
/ APPLICANT: Bhat, Balkrishen
/ APPLICANT: Peralta, Eigen
/ TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
/ FILE REFERENCE: ISIS0080-100 (CORE0016US)
/ CURRENT APPLICATION NUMBER: US/10/909,125
/ PRIOR FILING DATE: 2004-07-30
/ PRIOR APPLICATION NUMBER: US 60/492,056
/ PRIOR FILING DATE: 2003-07-31
/ PRIOR APPLICATION NUMBER: US 60/516,303
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: US 60/531,596
/ PRIOR FILING DATE: 2003-12-19
/ PRIOR APPLICATION NUMBER: US 60/562,417
/ PRIOR FILING DATE: 2004-04-14
/ NUMBER OF SEQ ID NOS: 2184
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2035
/ LENGTH: 15
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligomeric compound
US-10-909-125-2035
```

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Query Match 100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 CATAC 5
Db 6 CATAC 2
```

```
RESULT 12
US-10-909-125-2036/c
/ Sequence 2036, Application US/10909125
/ Publication No. US20050261218A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Esau, Christine
; APPLICANT: Lollo, Bridget
; APPLICANT: Bennett, C. Frank
; APPLICANT: Freier, Susan M.
; APPLICANT: Griffey, Richard H.
; APPLICANT: Baker, Brenda F.
; APPLICANT: Vickers, Timothy
; APPLICANT: Marcuseon, Eric G.
; APPLICANT: Koller, Erich
; APPLICANT: Swayze, Eric
; APPLICANT: Jain, Ravi
; APPLICANT: Bhat, Balkrishen
; APPLICANT: Peralta, Bigen
; TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
; FILE REFERENCE: ISIS0080-100 (CORE0016US)
; CURRENT FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: US 60/492,056
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US 60/516,303
; PRIOR FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/562,417
; PRIOR FILING DATE: 2004-04-14
; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2036
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
US-10-909-125-2036

Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATAC 5
Db      14 CATAC 10

RESULT 13
US-10-909-125-2150/c
; Sequence 2150, Application US/10909125
; Publication No. US20050261218A1
; GENERAL INFORMATION:
; APPLICANT: Esau, Christine
; APPLICANT: Lollo, Bridget
; APPLICANT: Bennett, C. Frank
; APPLICANT: Freier, Susan M.
; APPLICANT: Griffey, Richard H.
; APPLICANT: Baker, Brenda F.
; APPLICANT: Vickers, Timothy
; APPLICANT: Marcuseon, Eric G.
; APPLICANT: Koller, Erich
; APPLICANT: Swayze, Eric
; APPLICANT: Jain, Ravi
; APPLICANT: Bhat, Balkrishen
; APPLICANT: Peralta, Bigen
; TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
; FILE REFERENCE: ISIS0080-100 (CORE0016US)
; CURRENT FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: US 60/492,056
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US 60/516,303
; PRIOR FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2004-04-14
; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2151
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
US-10-909-125-2151
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; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/562,417
; PRIOR FILING DATE: 2004-04-14
; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2150
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
US-10-909-125-2150
```

```

Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATAC 5
Db      7 CATAC 3
```

```

RESULT 14
US-10-909-125-2151/c
; Sequence 2151, Application US/10909125
; Publication No. US20050261218A1
; GENERAL INFORMATION:
; APPLICANT: Esau, Christine
; APPLICANT: Lollo, Bridget
; APPLICANT: Bennett, C. Frank
; APPLICANT: Freier, Susan M.
; APPLICANT: Griffey, Richard H.
; APPLICANT: Baker, Brenda F.
; APPLICANT: Vickers, Timothy
; APPLICANT: Marcuseon, Eric G.
; APPLICANT: Koller, Erich
; APPLICANT: Swayze, Eric
; APPLICANT: Jain, Ravi
; APPLICANT: Bhat, Balkrishen
; APPLICANT: Peralta, Bigen
; TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
; FILE REFERENCE: ISIS0080-100 (CORE0016US)
; CURRENT FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: US 60/492,056
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US 60/516,303
; PRIOR FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/562,417
; PRIOR FILING DATE: 2004-04-14
; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2151
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
US-10-909-125-2151
```

```

Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CATAC 5
Db      14 CATAC 10
```

```

RESULT 15
US-10-972-764-3
; Sequence 3, Application US/10972764
; Publication No. US20050260613A1
; GENERAL INFORMATION:
; APPLICANT: Aerssens, Jeroen
; APPLICANT: Athanasiou, Maria
; APPLICANT: Bralin, Carlos
; APPLICANT: Cohen, Nadine
; APPLICANT: Dahn, Bradley
; APPLICANT: Denton, R. Rex
; APPLICANT: Hudson, Richard S
; APPLICANT: Ozdemir, Vural
; APPLICANT: Reed, Carol R.
; TITLE OF INVENTION: LRPA1 Genetic Markers Associated with Galantamine Response
; FILE REFERENCE: 2300.0040001
; CURRENT APPLICATION NUMBER: US/10/972,764
; CURRENT FILING DATE: 2004-10-26
; PRIOR APPLICATION NUMBER: 60/515,414
; PRIOR FILING DATE: 2003-10-28
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: ASO Probes for Detecting Alleles at PSs in Haplotypes Comprising
; OTHER INFORMATION: Preferred Embodiments of Response Markers I and Response Markers
; OTHER INFORMATION: II
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (8)..(8)
; OTHER INFORMATION: r 1s 'g' or 'a'
US-10-972-764-3

Query Match      100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CATAC 5
        |||||
Db       3 CATAC 7

```

Search completed: January 6, 2006, 16:13:03
 Job time : 97.1528 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:56 ; Search time 182.708 Seconds
(without alignments)
226.300 Million cell updates/sec

Title: US-09-540-843-6

Perfect score: 5

Sequence: 1 catcac 5

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11679888

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA_Main:*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
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10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5	100.0	5	US-10-122-630-4	Sequence 4, Appl1
2	5	100.0	5	US-10-122-630-6	Sequence 6, Appl1
3	5	100.0	5	US-10-122-633-4	Sequence 4, Appl1
4	5	100.0	5	US-10-122-633-6	Sequence 6, Appl1
5	5	100.0	7	US-10-027-632-178029	Sequence 178029,
6	5	100.0	7	US-10-027-632-178043	Sequence 178043,
7	5	100.0	7	US-10-122-630-3	Sequence 3, Appl1
8	5	100.0	7	US-10-122-630-7	Sequence 7, Appl1
9	5	100.0	7	US-10-122-633-3	Sequence 3, Appl1
10	5	100.0	7	US-10-122-633-7	Sequence 7, Appl1
11	5	100.0	7	US-10-027-632-178029	Sequence 178029,
12	5	100.0	7	US-10-027-632-178043	Sequence 178043,
13	5	100.0	7	US-10-780-507-13	Sequence 13, Appl1
14	5	100.0	7	US-10-780-507-14	Sequence 14, Appl1
15	5	100.0	7	US-10-780-507-15	Sequence 15, Appl1
16	5	100.0	7	US-10-780-507-17	Sequence 17, Appl1
17	5	100.0	7	US-10-780-507-19	Sequence 19, Appl1
18	5	100.0	7	US-11-040-924-12	Sequence 12, Appl1
19	5	100.0	7	US-11-040-924-14	Sequence 14, Appl1
20	5	100.0	7	US-11-040-924-18	Sequence 18, Appl1
21	5	100.0	7	US-11-040-924-22	Sequence 22, Appl1
22	5	100.0	7	US-11-040-924-26	Sequence 26, Appl1
23	5	100.0	7	US-11-040-924-30	Sequence 30, Appl1

24	5	100.0	7	US-11-040-924-34	Sequence 34, Appl1
25	5	100.0	7	US-11-040-924-38	Sequence 38, Appl1
26	5	100.0	7	US-11-040-924-42	Sequence 42, Appl1
27	5	100.0	7	US-11-040-924-46	Sequence 46, Appl1
28	5	100.0	7	US-11-040-924-47	Sequence 47, Appl1
29	5	100.0	7	US-11-040-924-50	Sequence 50, Appl1
30	5	100.0	7	US-11-040-924-54	Sequence 54, Appl1
31	5	100.0	7	US-11-040-924-58	Sequence 58, Appl1
32	5	100.0	7	US-11-040-924-62	Sequence 62, Appl1
33	5	100.0	7	US-11-040-924-66	Sequence 66, Appl1
34	5	100.0	7	US-11-040-924-70	Sequence 70, Appl1
35	5	100.0	7	US-11-040-924-74	Sequence 74, Appl1
36	5	100.0	8	US-09-142-593-11	Sequence 11, Appl1
37	5	100.0	8	US-09-927-886-17	Sequence 17, Appl1
38	5	100.0	8	US-09-861-014-6	Sequence 6, Appl1
39	5	100.0	8	US-10-263-159-11	Sequence 11, Appl1
40	5	100.0	8	US-10-128-560-224	Sequence 224, App
41	5	100.0	8	US-10-191-698-11	Sequence 11, Appl1
42	5	100.0	8	US-10-314-578-1138	Sequence 1138, Ap
43	5	100.0	8	US-10-332-914-5	Sequence 5, Appl1
44	5	100.0	8	US-10-608-516-17	Sequence 17, Appl1
45	5	100.0	8	US-10-742-740-3	Sequence 3, Appl1

ALIGNMENTS

RESULT 1
US-10-122-630-4/c
; Sequence 4, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo, Mark S.
; APPLICANT: Eiler, Mark S.
; TITLE OR INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatsSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 5
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-4
Query Match 100.0%; Score 5; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.6e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
QY 1 CATAC 5
Db 5 CATAC 1
RESULT 2
US-10-122-630-6
; Sequence 6, Application US/10122630
; Publication No. US20030032610A1

```
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaar, Mina
/ TITLE OF INVENTION: Method to Inhibit Cell Growth Using
/ TITLE OF INVENTION: Oligonucleotides
/ FILE REFERENCE: 0054.1088-018
/ CURRENT APPLICATION NUMBER: US/10/122,630
/ CURRENT FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 08/467,012
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: PCT/US96/08386
/ PRIOR FILING DATE: 1996-06-03
/ PRIOR APPLICATION NUMBER: US 09/048,927
/ PRIOR FILING DATE: 1998-03-26
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 6
/ LENGTH: 5
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-6
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Query Match      100.0%; Score 5; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.6e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 CATAC 5
        |||||
DB      1 CATAC 5
```

```
RESULT 3
US-10-122-633-4/c
/ Sequence 4, Application US/10122633
/ Publication No. US20030032611A1
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaar, Mina
/ TITLE OF INVENTION: Method to Inhibit Cell Growth Using
/ TITLE OF INVENTION: Oligonucleotides
/ FILE REFERENCE: 0054.1088-019
/ CURRENT APPLICATION NUMBER: US/10/122,633
/ CURRENT FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 4
/ LENGTH: 5
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-4
```

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Query Match      100.0%; Score 5; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.6e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 CATAC 5
        |||||
DB      5 CATAC 1
```

```
RESULT 4
US-10-122-633-6
/ Sequence 6, Application US/10122633
/ Publication No. US20030032611A1
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaar, Mina
/ TITLE OF INVENTION: Method to Inhibit Cell Growth Using
/ TITLE OF INVENTION: Oligonucleotides
/ FILE REFERENCE: 0054.1088-019
/ CURRENT APPLICATION NUMBER: US/10/122,633
/ CURRENT FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 6
/ LENGTH: 5
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-6
```

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Query Match      100.0%; Score 5; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.6e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 CATAC 5
        |||||
DB      1 CATAC 5
```

```
RESULT 5
US-10-027-632-178029
/ Sequence 178029, Application US/10027632
/ Publication No. US20020198371A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ TITLE OF INVENTION: Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ CURRENT FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1998-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 178029
/ LENGTH: 7
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-178029
```

```
Query Match      100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 CATAC 5
| | | |
DB 1 CATAC 5

RESULT 6

US-10-027-632-178043
; Sequence 178043, Application US/10027632
; Publication No. US2002019837A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827,129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 178043
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-178043

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
| | | |
DB 1 CATAC 5

RESULT 7

US-10-122-630-3/c
; Sequence 3, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Yaer, Mark S.
; APPLICANT: Yaer, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054,1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-3

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
| | | |
DB 6 CATAC 2

RESULT 8

US-10-122-630-7/c
; Sequence 7, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Yaer, Mark S.
; APPLICANT: Yaer, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054,1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 7
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-7

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
| | | |
DB 6 CATAC 2

RESULT 9

US-10-122-633-3/c
; Sequence 3, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Yaer, Mark S.
; APPLICANT: Yaer, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054,1088-019
; CURRENT APPLICATION NUMBER: US/10/122,633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843

;; PRIOR FILING DATE: 2000-03-31
;; PRIOR APPLICATION NUMBER: PCT/US01/10162
;; PRIOR FILING DATE: 2001-03-30
;; NUMBER OF SEQ ID NOS: 15
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 3
;; LENGTH: 7
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-3

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 6 CATAC 2

RESULT 10
US-10-122-633-7/c
; Sequence 7, Application US/10122633
; Publication No. US2003032611A1
; GENERAL INFORMATION:
; APPLICANT: Gilcrest, Barbara A.
; APPLICANT: Vaar, Mark S.
; APPLICANT: Vaar, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054,1088-019
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US/10/122,633
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-7

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 6 CATAC 2

RESULT 11
US-10-027-632-178029
; Sequence 178029, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827,129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20

;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 178029
;; LENGTH: 7
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-178029

Query Match 100.0%; Score 5; DB 6; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 1 CATAC 5

RESULT 12
US-10-027-632-178043
; Sequence 178043, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827,129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178043
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-178043

Query Match 100.0%; Score 5; DB 6; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CATAC 5
Db 1 CATAC 5

RESULT 13
US-10-780-507-13
; Sequence 13, Application US/10780507
; Publication No. US20050137387A1


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GENERAL INFORMATION:
APPLICANT: MULLINS, James I.
APPLICANT: RODRIGO, Allen G.
APPLICANT: LEARN, Gerald H.
APPLICANT: LI, Fusheng
APPLICANT: NICKLE, David C.
APPLICANT: JENSEN, Mark A.
TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
FILE REFERENCE: 16336-001320US
CURRENT APPLICATION NUMBER: US/10/780,507
CURRENT FILING DATE: 2004-02-17
PRIOR APPLICATION NUMBER: US 10/204,204
PRIOR FILING DATE: 2001-02-16
PRIOR APPLICATION NUMBER: PCT/US01/05288
PRIOR FILING DATE: 2001-02-16
PRIOR APPLICATION NUMBER: US 60/183,659
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: US 60/447,586
PRIOR FILING DATE: 2003-02-14
NUMBER OF SEQ ID NOS: 125
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 7
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
US-10-780-507-13

Query Match
Best Local Similarity 100.0%; Score 5; DB 9; Length 7;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 1 CATAC 5

RESULT 14
US-10-780-507-14
Sequence 14, Application US/10780507
Publication No. US20050137387A1
GENERAL INFORMATION:
APPLICANT: MULLINS, James I.
APPLICANT: RODRIGO, Allen G.
APPLICANT: LEARN, Gerald H.
APPLICANT: LI, Fusheng
APPLICANT: NICKLE, David C.
APPLICANT: JENSEN, Mark A.
TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
FILE REFERENCE: 16336-001320US
CURRENT APPLICATION NUMBER: US/10/780,507
CURRENT FILING DATE: 2004-02-17
PRIOR APPLICATION NUMBER: US 10/204,204
PRIOR FILING DATE: 2001-02-16
PRIOR APPLICATION NUMBER: PCT/US01/05288
PRIOR FILING DATE: 2001-02-16
PRIOR APPLICATION NUMBER: US 60/183,659
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: US 60/447,586
PRIOR FILING DATE: 2003-02-14
NUMBER OF SEQ ID NOS: 125
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
LENGTH: 7
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
US-10-780-507-14
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Query Match
Best Local Similarity 100.0%; Score 5; DB 9; Length 7;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CATAC 5
Db 1 CATAC 5

RESULT 15
US-10-780-507-15
Sequence 15, Application US/10780507
Publication No. US20050137387A1
GENERAL INFORMATION:
APPLICANT: MULLINS, James I.
APPLICANT: RODRIGO, Allen G.
APPLICANT: LEARN, Gerald H.
APPLICANT: LI, Fusheng
APPLICANT: NICKLE, David C.
APPLICANT: JENSEN, Mark A.
TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
FILE REFERENCE: 16336-001320US
CURRENT APPLICATION NUMBER: US/10/780,507
CURRENT FILING DATE: 2004-02-17
PRIOR APPLICATION NUMBER: US 10/204,204
PRIOR FILING DATE: 2001-02-16
PRIOR APPLICATION NUMBER: PCT/US01/05288
PRIOR FILING DATE: 2001-02-16
PRIOR APPLICATION NUMBER: US 60/183,659
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: US 60/447,586
PRIOR FILING DATE: 2003-02-14
NUMBER OF SEQ ID NOS: 125
SOFTWARE: PatentIn version 3.1
SEQ ID NO 15
LENGTH: 7
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
US-10-780-507-15

Search completed: January 6, 2006, 16:57:03
Job time : 182.708 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:55 ; Search time 213.736 Seconds
(without alignments)
37.515 Million cell updates/sec

Title: US-09-540-843-5
Perfect score: 11
Sequence: 1 gttagggttag 11

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Gapop 10.0 , Gapext 1.0

Searched: 4637609 seqs, 364468668 residues

Total number of hits satisfying chosen parameters: 8807346

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA New:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	11	100.0	19	US-11-101-244-137766	Sequence 137766,
2	11	100.0	19	US-11-101-244-137816	Sequence 137816,
3	11	100.0	19	US-11-083-784-137766	Sequence 137766,
4	11	100.0	19	US-11-083-784-137816	Sequence 137816,
5	11	100.0	20	US-11-127-654-824	Sequence 824, App
6	11	100.0	25	US-11-121-849-418403	Sequence 418403,
7	11	100.0	25	US-11-121-849-419006	Sequence 419006,
8	11	100.0	25	US-11-136-527-93893	Sequence 93893, A
9	11	100.0	25	US-11-136-527-93894	Sequence 93894, A
10	11	100.0	25	US-11-136-527-93895	Sequence 93895, A
11	11	100.0	25	US-11-136-527-93897	Sequence 93897, A
12	11	100.0	25	US-11-136-527-93898	Sequence 93898, A
13	11	100.0	25	US-11-136-527-93899	Sequence 93899, A
14	11	100.0	25	US-11-136-527-93900	Sequence 93900, A
15	11	100.0	25	US-11-136-527-93905	Sequence 93905, A
16	11	100.0	25	US-11-136-527-93906	Sequence 93906, A
17	11	100.0	25	US-11-136-527-93926	Sequence 93926, A
18	11	100.0	25	US-11-136-527-93929	Sequence 93929, A
19	11	100.0	25	US-11-136-527-295136	Sequence 295136,
20	11	100.0	185	US-11-193-883-1	Sequence 1, App1
21	11	100.0	185	US-11-193-883-2	Sequence 2, App1
22	10	90.9	19	US-11-101-244-20317	Sequence 20317, A
23	10	90.9	19	US-11-101-244-20369	Sequence 20369, A

C	24	10	90.9	19	8	US-11-101-244-44119	Sequence 44119, A
C	25	10	90.9	19	8	US-11-101-244-44129	Sequence 44129, A
C	26	10	90.9	19	8	US-11-101-244-44140	Sequence 44140, A
C	27	10	90.9	19	8	US-11-101-244-118472	Sequence 118472, A
C	28	10	90.9	19	8	US-11-101-244-118480	Sequence 118480, A
C	29	10	90.9	19	8	US-11-101-244-377793	Sequence 377793, A
C	30	10	90.9	19	8	US-11-101-244-388006	Sequence 388006, A
C	31	10	90.9	19	8	US-11-101-244-588269	Sequence 588269, A
C	32	10	90.9	19	8	US-11-101-244-626522	Sequence 626522, A
C	33	10	90.9	19	8	US-11-101-244-650969	Sequence 650969, A
C	34	10	90.9	19	8	US-11-101-244-847075	Sequence 847075, A
C	35	10	90.9	19	8	US-11-101-244-847167	Sequence 847167, A
C	36	10	90.9	19	8	US-11-101-244-847174	Sequence 847174, A
C	37	10	90.9	19	8	US-11-101-244-847263	Sequence 847263, A
C	38	10	90.9	19	8	US-11-101-244-847370	Sequence 847370, A
C	39	10	90.9	19	8	US-11-101-244-847461	Sequence 847461, A
C	40	10	90.9	19	8	US-11-101-244-932398	Sequence 932398, A
C	41	10	90.9	19	8	US-11-101-244-932403	Sequence 932403, A
C	42	10	90.9	19	8	US-11-101-244-949144	Sequence 949144, A
C	43	10	90.9	19	8	US-11-101-244-1053047	Sequence 1053047, A
C	44	10	90.9	19	8	US-11-101-244-1157326	Sequence 1157326, A
C	45	10	90.9	19	8	US-11-101-244-1184003	Sequence 1184003, A

ALIGNMENTS

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RESULT 1
US-11-101-244-137766/c
; Sequence 137766, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmaco, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; PIR REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: ProPileary
; SEQ ID NO 137766
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-137766
Query Match 100.0%; Score 11; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
Db 13 GTTAGGCTTAG 3
Gy 1 GTTAGGCTTAG 11
US-11-101-244-137816/c
; Sequence 137816, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmaco, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
```

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APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 137816
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-137816

Query Match      100.0%; Score 11; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 GTTAGGGTTAG 11
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Db      13 GTTAGGGTTAG 3

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RESULT 3
US-11-083-784-137766/c
; Sequence 137766, Application US/11083784
; Publication NO. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leeke, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 137766
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-137766

Query Match 100.0%; Score 11; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
|||
Db 13 GTTAGGGTTAG 3

RESULT 4
US-11-083-784-137816/c
; Sequence 137816, Application US/11083784
; Publication NO. US20050245475A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leeke, Devin

```

```

; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OR INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 134990US
; CURRENT APPLICATION NUMBER: US/11/083,784
; CURRENT FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: US/10/714,333
; PRIOR FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 137816
;
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-083-784-137816

Query Match          100.0%; Score 11; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 5,8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db          13 GTTAGGGTTAG 3

RESULT 5
US-11-127-654-824
; Sequence 824, Application US/11127654
; Publication No. US20050250726A1
; GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M.
APPLICANT: Berg, Daniel J.
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC
TITLE OF INVENTION: INFLAMMATORY DISEASES
FILE REFERENCE: C1039.70060US01
CURRENT APPLICATION NUMBER: US/11/127,654
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US 10/112,653
PRIOR FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: US 60/279,642
PRIOR FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SOFTWARE: PatentIn version 3.2
SEQ ID NO 824
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial sequence
FEATURES:
OTHER INFORMATION: Synthetic oligonucleotide
US-11-127-654-824

Query Match      100.0%; Score 11, DB 7; Length 20;
Beet Local Similarity 100.0%; Pred.No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTTAGGGTTAG 11
        |||||
Db       6 GTTAGGGTTAG 16

RESULT 6
US-11-121-849-418403
; Sequence 418403, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
APPLICANT: John Palma
TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded Se
TITLE OF INVENTION: Microarrays
FILE REFERENCE: 3684.1
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; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 418403
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-418403

Query Match
Best Local Similarity 100.0%; Score 11; DB 7; Length 25;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
DB 6 GTTAGGGTTAG 16

RESULT 7
US-11-121-849-419006
; Sequence 419006, Application US/11/121,849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 419006
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-419006

Query Match
Best Local Similarity 100.0%; Score 11; DB 7; Length 25;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
DB 6 GTTAGGGTTAG 16

RESULT 8
US-11-136-527-93893
; Sequence 93893, Application US/11/136,527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93893
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-93893
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Query Match
Best Local Similarity 100.0%; Score 11; DB 7; Length 25;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
DB 7 GTTAGGGTTAG 17

RESULT 9
US-11-136-527-93894
; Sequence 93894, Application US/11/136,527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93894
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-93894

Query Match
Best Local Similarity 100.0%; Score 11; DB 7; Length 25;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
DB 6 GTTAGGGTTAG 16

RESULT 10
US-11-136-527-93895
; Sequence 93895, Application US/11/136,527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93895
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-93895

Query Match
Best Local Similarity 100.0%; Score 11; DB 7; Length 25;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
DB 3 GTTAGGGTTAG 13
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RESULT 11
US-11-136-527-93897
; Sequence 93897, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93897
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-93897

Query Match 100.0%; Score 11; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 12
US-11-136-527-93898
; Sequence 93898, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93898
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-93898

Query Match 100.0%; Score 11; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
Db 2 GTTAGGGTTAG 12

RESULT 13
US-11-136-527-93899
; Sequence 93899, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes

; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93899
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-93899

Query Match 100.0%; Score 11; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
Db 4 GTTAGGGTTAG 14

RESULT 14
US-11-136-527-93900
; Sequence 93900, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93900
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-93900

Query Match 100.0%; Score 11; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
Db 5 GTTAGGGTTAG 15

RESULT 15
US-11-136-527-93905
; Sequence 93905, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93905
; LENGTH: 25

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; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-93905

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Query Match      100.0%; Score 11; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.8e+02;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 GTTAGGGTTAG 11
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Db       8 GTTAGGGTTAG 18

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Job time : 213.736 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:56 ; Search time 401.958 Seconds
(without alignments)
226.300 Million cell updates/sec

Title: US-09-540-843-5
Perfect score: 11
Sequence: 1 gttagggttag 11

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11679888

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Published Applications NA.Main:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	11	100.0	11	3	US-09-057-351-2
2	11	100.0	11	3	US-09-835-370-63
3	11	100.0	11	5	US-10-122-630-5
4	11	100.0	11	5	US-10-122-630-9
5	11	100.0	11	5	US-10-122-633-5
6	11	100.0	11	5	US-10-122-633-9
7	11	100.0	11	6	US-10-255-535-4
8	11	100.0	11	6	US-10-255-535-14
9	11	100.0	11	6	US-10-359-935-2
10	11	100.0	11	7	US-10-463-076-1
11	11	100.0	11	7	US-10-181-823-16
12	11	100.0	11	7	US-10-181-823-20
13	11	100.0	11	8	US-10-863-999-63
14	11	100.0	11	8	US-10-831-266-1
15	11	100.0	11	9	US-10-967-755-1
16	11	100.0	11	9	US-10-967-755-1
17	11	100.0	12	8	US-10-257-017B-334175
18	11	100.0	12	8	US-10-257-017B-305261
19	11	100.0	13	3	US-09-893-252-4
20	11	100.0	13	3	US-10-038-335-1
21	11	100.0	13	5	US-10-038-335-2
22	11	100.0	13	6	US-10-347-253-1
23	11	100.0	13	6	US-10-366-451-1

24	11	100.0	13	6	US-10-463-076-8	Sequence 8, Appli
25	11	100.0	13	8	US-10-257-017B-19897	Sequence 19897, A
26	11	100.0	13	8	US-10-257-017B-19898	Sequence 19898, A
27	11	100.0	13	8	US-10-257-017B-102799	Sequence 102799,
28	11	100.0	13	8	US-10-257-017B-102800	Sequence 102800,
29	11	100.0	13	9	US-10-967-755-8	Sequence 8, Appli
30	11	100.0	13	10	US-11-107-845-1	Sequence 1, Appli
31	11	100.0	16	6	US-10-232-927A-20	Sequence 8, Appli
32	11	100.0	16	7	US-10-333-152A-8	Sequence 26, Appli
33	11	100.0	16	8	US-10-780-464-2	Sequence 16, Appli
34	11	100.0	16	8	US-10-831-266-16	Sequence 22, Appli
35	11	100.0	16	8	US-10-831-267-22	Sequence 4, Appli
36	11	100.0	18	2	US-08-463-404-4	Sequence 5, Appli
37	11	100.0	18	2	US-08-463-404-5	Sequence 26, Appli
38	11	100.0	18	3	US-09-057-351-26	Sequence 1, Appli
39	11	100.0	18	3	US-09-947-659-1	Sequence 2, Appli
40	11	100.0	18	3	US-09-947-659-2	Sequence 7, Appli
41	11	100.0	18	3	US-09-947-659-7	Sequence 20, Appli
42	11	100.0	18	3	US-09-893-252-1	Sequence 1, Appli
43	11	100.0	18	5	US-10-132-002-2	Sequence 2, Appli
44	11	100.0	18	5	US-10-132-002-2	Sequence 4, Appli
45	11	100.0	18	5	US-10-238-732-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-057-351-2/c
; Sequence 2, Application US/09057351
; Patent No. US20010034439A1
; GENERAL INFORMATION:
; APPLICANT: Vilepoteau, Bryant
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Mammalian Telomerase
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/057,351
; FILING DATE: 08-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/330,123
; FILING DATE: 27-OCT-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/472,802
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Storella, John R.
; REGISTRATION NUMBER: 32,944
; REFERENCE/DOCKET NUMBER: 015389-000821US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
US-09-057-351-2

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 2
US-09-835-370-63
Sequence 63, Application US/09835370
Publication No. US20030022172A1
GENERAL INFORMATION:
APPLICANT: UHLMANN, EUGEN
APPLICANT: BREIPOHL, GERHARD
APPLICANT: WILF, DAVID W
TITLE OF INVENTION: POLYAMIDE NUCLEIC ACID DERIVATIVES AND AGENTS AND
TITLE OF INVENTION: PROCESSES FOR PREPARING THEM
FILE REFERENCE: 02481.1742 SEQUENCE LISTING
CURRENT APPLICATION NUMBER: US/09/835,370
CURRENT FILING DATE: 2001-04-17
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 63
LENGTH: 11
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: nucleotide
OTHER INFORMATION: base sequence of PNA derivatives that bind to
OTHER INFORMATION: viral and cellular targets
US-09-835-370-63

Query Match 100.0%; Score 11; DB 3; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 3
US-10-122-630-5
Sequence 5, Application US/10122630
Publication No. US20030032610A1
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
TITLE OF INVENTION: Method to inhibit Cell Growth Using
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: 0054.1088-018
CURRENT APPLICATION NUMBER: US/10/122,630
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 08/467,012
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/US96/08386
PRIOR FILING DATE: 1996-06-03
PRIOR APPLICATION NUMBER: US 09/048,927
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15

SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 11
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-5

Query Match 100.0%; Score 11; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 4
US-10-122-630-9/c
Sequence 9, Application US/10122630
Publication No. US20030032610A1
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
TITLE OF INVENTION: Method to inhibit Cell Growth Using
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: 0054.1088-018
CURRENT APPLICATION NUMBER: US/10/122,630
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 08/467,012
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/US96/08386
PRIOR FILING DATE: 1996-06-03
PRIOR APPLICATION NUMBER: US 09/048,927
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9
LENGTH: 11
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-9

Query Match 100.0%; Score 11; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 5
US-10-122-633-5
Sequence 5, Application US/10122633
Publication No. US20030032611A1
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
TITLE OF INVENTION: Method to inhibit Cell Growth Using
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: 0054.1088-019
CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12

PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 11
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-5

Query Match 100.0%; Score 11; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 6
US-10-122-633-9/c
Sequence 9, Application US/10122633
Publication No. US2003032611A1
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yeast, Mina
TITLE OF INVENTION: Method to Inhibit Cell Growth Using
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: 0054.1088-019
CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 9
LENGTH: 11
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-9

Query Match 100.0%; Score 11; DB 5; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 11 GTTAGGGTTAG 1

RESULT 7
US-10-255-535-4
Sequence 4, Application US/10255535
Publication No. US20030138614A1
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Gryaznov, Sergei
APPLICANT: Pongracz, Krisztina
APPLICANT: Tolman, Richard L.
APPLICANT: Morin, Gregg B.
TITLE OF INVENTION: Oligonucleotide Conjugates
FILE REFERENCE: 072/002P
CURRENT APPLICATION NUMBER: US/10/255,535
CURRENT FILING DATE: 2002-09-25

PRIOR APPLICATION NUMBER: PCT/US02/09138
PRIOR FILING DATE: 2002-03-21
PRIOR APPLICATION NUMBER: US 60/278,322
PRIOR FILING DATE: 2001-03-23
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 11
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: oligonucleotide
US-10-255-535-4

Query Match 100.0%; Score 11; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 8
US-10-255-535-14
Sequence 14, Application US/10255535
Publication No. US20030138614A1
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Gryaznov, Sergei
APPLICANT: Pongracz, Krisztina
APPLICANT: Tolman, Richard L.
APPLICANT: Morin, Gregg B.
TITLE OF INVENTION: Oligonucleotide Conjugates
FILE REFERENCE: 072/002P
CURRENT APPLICATION NUMBER: US/10/255,535
CURRENT FILING DATE: 2002-09-25
PRIOR APPLICATION NUMBER: PCT/US02/09138
PRIOR FILING DATE: 2002-03-21
PRIOR APPLICATION NUMBER: US 60/278,322
PRIOR FILING DATE: 2001-03-23
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn version 3.1
SEQ ID NO 14
LENGTH: 11
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: oligonucleotide
US-10-255-535-14

Query Match 100.0%; Score 11; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGGTTAG 11
Db 1 GTTAGGGTTAG 11

RESULT 9
US-10-359-935-2/c
Sequence 2, Application US/10359935
Publication No. US20030153076A1
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/359,935
FILING DATE: 07-Feb-2003
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-359-935-2

Query Match 100.0%; Score 11; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11
DB 11 GTTAGGTTAG 1

RESULT 10
US-10-463-076-1
Sequence 1, Application US/10463076
Publication No. US20030212032A1
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Gryaznov, Sergei
APPLICANT: Pongracz, Krzyszina
APPLICANT: Matray, Tracey
TITLE OF INVENTION: Oligonucleotide N3'-->P5' Thio phosphoramidates: Their Synthesis
FILE REFERENCE: 039/004C
CURRENT APPLICATION NUMBER: US/10/463,076
CURRENT FILING DATE: 2003-06-17
PRIOR APPLICATION NUMBER: US 09/657,445
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: US 60/153,201
PRIOR FILING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: US 60/160,444
PRIOR FILING DATE: 1999-10-19
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patent version 3.1
SEQ ID NO 1
LENGTH: 11
TYPE: DNA

ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic oligonucleotide with potential inhibition activity
US-10-463-076-1

Query Match 100.0%; Score 11; DB 6; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11
DB 1 GTTAGGTTAG 11

RESULT 11
US-10-181-823-16
Sequence 16, Application US/10181823
Publication No. US20040126752A1
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Gryaznov, Sergei
APPLICANT: Schultz, Ronald G
TITLE OF INVENTION: 2'-Arabino-Fluoroligonucleotide N3'-->P5' Phosphoramidates: Their
FILE REFERENCE: 049/002
CURRENT APPLICATION NUMBER: US/10/181,823
CURRENT FILING DATE: 2003-12-29
PRIOR APPLICATION NUMBER: PCT/US01/01918
PRIOR FILING DATE: 2001-01-19
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patent version 3.1
SEQ ID NO 16
LENGTH: 11
TYPE: DNA
ORGANISM: Homo sapiens
US-10-181-823-16

Query Match 100.0%; Score 11; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTTAGGTTAG 11
DB 1 GTTAGGTTAG 11

RESULT 12
US-10-181-823-20
Sequence 20, Application US/10181823
Publication No. US20040126752A1
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Gryaznov, Sergei
APPLICANT: Schultz, Ronald G
TITLE OF INVENTION: 2'-Arabino-Fluoroligonucleotide N3'-->P5' Phosphoramidates: Their
FILE REFERENCE: 049/002
CURRENT APPLICATION NUMBER: US/10/181,823
CURRENT FILING DATE: 2003-12-29
PRIOR APPLICATION NUMBER: PCT/US01/01918
PRIOR FILING DATE: 2001-01-19
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patent version 3.1
SEQ ID NO 20
LENGTH: 11
TYPE: DNA
ORGANISM: Homo sapiens
US-10-181-823-20

Query Match 100.0%; Score 11; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTAGGCTAG 11
| | | | |
Db 1 GTTAGGCTAG 11

RESULT 13
US-10-863-999-63
; Sequence 63, Application US/10863999
; Publication No. US20040265885A1
; GENERAL INFORMATION:
; APPLICANT: UHLMANN, EUGEN
; APPLICANT: BREIPOHL, GERHARD
; APPLICANT: WILF, DAVID W
; TITLE OF INVENTION: POLYAMIDE NUCLEIC ACID DERIVATIVES AND AGENTS AND
; TITLE OF INVENTION: PROCESSES FOR PREPARING THEM
; FILE REFERENCE: 02481.1742 SEQUENCE LISTING
; CURRENT APPLICATION NUMBER: US/10/863,999
; PRIOR FILING DATE: 2004-06-09
; PRIOR APPLICATION NUMBER: US/09/835,370
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 63
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: nucleotide
; OTHER INFORMATION: base sequence of PNA derivatives that bind to
; OTHER INFORMATION: viral and cellular targets
US-10-863-999-63

Query Match 100.0%; Score 11; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;
Qy 1 GTTAGGCTAG 11
| | | | |
Db 1 GTTAGGCTAG 11

RESULT 14
US-10-831-266-1/c
; Sequence 1, Application US/10831266
; Publication No. US20050003404A1
; GENERAL INFORMATION: Peter T.
; APPLICANT: ROWLEY, Peter T.
; TITLE OF INVENTION: TELOMERASE INTERFERENCE
; FILE REFERENCE: A-71506-1/RFT/THR
; CURRENT APPLICATION NUMBER: US/10/831,266
; PRIOR FILING DATE: 2004-04-22
; PRIOR APPLICATION NUMBER: PCT/US 02/33065
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US 60/345,326
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/359,196
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/383,195
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 11
; TYPE: RNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: telomerase RNA fragment
US-10-831-266-1

Query Match 100.0%; Score 11; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;

Qy 1 GTTAGGCTAG 11
| | | | |
Db 11 GTTAGGCTAG 1

RESULT 15
US-10-831-267-1/c
; Sequence 1, Application US/10831267
; Publication No. US20050009177A1
; GENERAL INFORMATION:
; APPLICANT: ROWLEY, Peter T.
; TITLE OF INVENTION: TELOMERASE INTERFERENCE
; FILE REFERENCE: A-71506-2/RFT/THR
; CURRENT APPLICATION NUMBER: US/10/831,267
; PRIOR FILING DATE: 2004-04-22
; PRIOR APPLICATION NUMBER: PCT/US 02/33146
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US 60/345,326
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/359,196
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/383,195
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 11
; TYPE: RNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: telomerase RNA fragment
US-10-831-267-1

Query Match 100.0%; Score 11; DB 8; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04; Indels 0; Gaps 0;
Matches 11; Conservative 0; Mismatches 0;
Qy 1 GTTAGGCTAG 11
| | | | |
Db 11 GTTAGGCTAG 1

Search completed: January 6, 2006, 16:57:03
Job time : 402.958 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:55 ; Search time 97.1528 Seconds
(without alignments)
37.515 Million cell updates/sec

Title: US-09-540-843-4
Perfect score: 5
Sequence: 1 gravg 5

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4637609 seqs, 364468668 residues

Total number of hits satisfying chosen parameters: 8807346

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Published Applications NA, New:
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2: /cgn2_6/ptcdat2/2/pubpna/US06_NEW_PUB.seq:*
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4: /cgn2_6/ptcdat2/2/pubpna/PCT_NEW_PUB.seq:*
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8: /cgn2_6/ptcdat2/2/pubpna/US11_NEW_PUB.seq3:*
9: /cgn2_6/ptcdat2/2/pubpna/US11_NEW_PUB.seq3:*
10: /cgn2_6/ptcdat2/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5	100.0	9	7	US-11-103-122-23
2	5	100.0	9	7	US-11-103-122-27
3	5	100.0	10	6	US-10-972-764-21
4	5	100.0	10	7	US-11-152-497-9
5	5	100.0	14	6	US-10-995-561-85215
6	5	100.0	14	7	US-11-087-072-7
7	5	100.0	15	6	US-10-788-028-10
8	5	100.0	15	6	US-10-909-125-2032
9	5	100.0	15	6	US-10-909-125-2033
10	5	100.0	15	6	US-10-909-125-2034
11	5	100.0	15	6	US-10-909-125-2035
12	5	100.0	15	6	US-10-909-125-2036
13	5	100.0	15	6	US-10-909-125-2150
14	5	100.0	15	6	US-10-909-125-2151
15	5	100.0	15	6	US-10-972-764-3
16	5	100.0	15	6	US-10-972-764-9
17	5	100.0	15	6	US-10-995-561-85385
18	5	100.0	15	6	US-10-524-647-69
19	5	100.0	16	7	US-10-788-028-6
20	5	100.0	16	7	US-11-065-545-49
21	5	100.0	16	7	US-11-050-174A-57
22	5	100.0	17	6	US-10-632-150-89
23	5	100.0	17	6	US-10-857-780-1105

24	5	100.0	17	6	US-10-857-780-1106	Sequence 1106, Ap
25	5	100.0	17	6	US-10-857-780-1208	Sequence 1208, Ap
26	5	100.0	17	6	US-10-965-694-86	Sequence 86, Ap1
27	5	100.0	17	6	US-10-995-561-85386	Sequence 85386, A
28	5	100.0	17	6	US-10-509-121-26	Sequence 26, Ap1
29	5	100.0	17	7	US-11-176-795-17	Sequence 17, Ap1
30	5	100.0	17	7	US-11-176-795-28	Sequence 28, Ap1
31	5	100.0	17	7	US-11-073-457-89	Sequence 89, Ap1
32	5	100.0	17	7	US-11-084-717-2	Sequence 2, Ap1
33	5	100.0	17	7	US-11-069-908-5939	Sequence 5939, Ap
34	5	100.0	17	7	US-11-179-244-2	Sequence 2, Ap1
35	5	100.0	17	7	US-11-065-545-53	Sequence 53, Ap1
36	5	100.0	17	7	US-11-065-545-60	Sequence 60, Ap1
37	5	100.0	17	7	US-11-073-460-89	Sequence 89, Ap1
38	5	100.0	17	7	US-11-005-881-42	Sequence 42, Ap1
39	5	100.0	18	6	US-10-500-831-65	Sequence 65, Ap1
40	5	100.0	18	6	US-10-500-831-348	Sequence 348, Ap
41	5	100.0	18	6	US-10-502-795-12	Sequence 12, Ap
42	5	100.0	18	6	US-10-844-603A-214	Sequence 214, Ap
43	5	100.0	18	6	US-10-750-185-10252	Sequence 10252, A
44	5	100.0	18	6	US-10-750-185-11532	Sequence 11532, A
45	5	100.0	18	6	US-10-750-185-13420	Sequence 13420, A

ALIGNMENTS

RESULT 1
US-11-103-122-23/c
; Sequence 23, Application US/11103122
; Publication No. US20050282190A1
; GENERAL INFORMATION:
; APPLICANT: Shi, Hua
; TITLE OF INVENTION: MODULAR DESIGN AND CONSTRUCTION OF NUCLEIC ACID
; TITLE OF INVENTION: MOLECULES, APTAMER-DERIVED NUCLEIC ACID CONSTRUCTS, RNA
; FILE REFERENCE: 19603/4491
; CURRENT APPLICATION NUMBER: US/11/103,122
; CURRENT FILING DATE: 2005-04-11
; PRIOR APPLICATION NUMBER: 60/560,895
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 9
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: functional
US-11-103-122-23
Query Match 100.0%; Score 5; DB 7; Length 9;
Best Local Similarity 100.0%; Pred. No. 7.6e+07;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
C
OY 1 GRAG 5
Db 7 GRAG 3
RESULT 2
US-11-103-122-27/c
; Sequence 27, Application US/11103122
; Publication No. US20050282190A1
; GENERAL INFORMATION:
; APPLICANT: Shi, Hua
; APPLICANT: Shi, Hua
; TITLE OF INVENTION: MODULAR DESIGN AND CONSTRUCTION OF NUCLEIC ACID
; TITLE OF INVENTION: MOLECULES, APTAMER-DERIVED NUCLEIC ACID CONSTRUCTS, RNA
; TITLE OF INVENTION: SCAFFOLDS, THEIR EXPRESSION, AND METHODS OF USE
; FILE REFERENCE: 19603/4491

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/ CURRENT APPLICATION NUMBER: US/11/103,122
/ CURRENT FILING DATE: 2005-04-11
/ PRIOR APPLICATION NUMBER: 60/560,895
/ PRIOR FILING DATE: 2004-04-09
/ NUMBER OF SEQ ID NOS: 50
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 27
/ LENGTH: 9
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: functional
/ OTHER INFORMATION: element N1
US-11-103-122-27

Query Match          100.0%; Score 5; DB 7; Length 9;
Best Local Similarity 100.0%; Pred. No. 7, 6e+07;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GRATG 5
DB      7 GRATG 3

RESULT 3
US-10-972-764-21/c
/ Sequence 21, Application US/10972764
/ Publication No. US20050260613A1
/ GENERAL INFORMATION:
/ APPLICANT: Aerssens, Jeroen
/ APPLICANT: Athanasiou, Maria
/ APPLICANT: Brain, Carlos
/ APPLICANT: Cohen, Nadine
/ APPLICANT: Dain, Bradley
/ APPLICANT: Denton, R. Rex
/ APPLICANT: Judson, Richard S
/ APPLICANT: Ordemtz, Vural
/ APPLICANT: Reed, Carol R.
/ TITLE OF INVENTION: LRPA1 Genetic Markers Associated with Galantamine Response
/ FILE REFERENCE: 2300,0040001
/ CURRENT APPLICATION NUMBER: US/10/972,764
/ CURRENT FILING DATE: 2004-10-26
/ PRIOR APPLICATION NUMBER: 60/515,414
/ PRIOR FILING DATE: 2003-10-28
/ NUMBER OF SEQ ID NOS: 59
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 21
/ LENGTH: 10
/ TYPE: DNA
/ ORGANISM: Artificial
/ FEATURE:
/ OTHER INFORMATION: Forward Primer Extension Oligos for Detecting Alleles at Pse in
/ OTHER INFORMATION: Haplotypes Comprising Preferred Embodiments of Response Markers II
/ OTHER INFORMATION: and Response Markers II
US-10-972-764-21

Query Match          100.0%; Score 5; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 1, 2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GRATG 5
DB      10 GRATG 6

RESULT 4
US-11-152-497-9
/ Sequence 9, Application US/11152497
/ Publication No. US20050277150A1
/ GENERAL INFORMATION:
/ APPLICANT: Cheung, Ambrose
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING AGENTS WHICH
/ TITLE OF INVENTION: REGULATE AUTOLYTIC
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/ TITLE OF INVENTION: PROCESSES IN BACTERIA
/ FILE REFERENCE: DC-0202
/ CURRENT APPLICATION NUMBER: US/11/152,497
/ CURRENT FILING DATE: 2005-06-14
/ PRIOR APPLICATION NUMBER: US/10/290,143
/ PRIOR FILING DATE: 2002-11-06
/ PRIOR APPLICATION NUMBER: US 10/092,264
/ PRIOR FILING DATE: 2002-03-06
/ PRIOR APPLICATION NUMBER: US 60/329,140
/ PRIOR FILING DATE: 2001-10-12
/ PRIOR APPLICATION NUMBER: US 60/312,546
/ PRIOR FILING DATE: 2001-08-15
/ PRIOR APPLICATION NUMBER: US 60/273,791
/ PRIOR FILING DATE: 2001-03-06
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 9
/ LENGTH: 10
/ TYPE: DNA
/ ORGANISM: Staphylococcus aureus
US-11-152-497-9

Query Match          100.0%; Score 5; DB 7; Length 10;
Best Local Similarity 100.0%; Pred. No. 1, 2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GRATG 5
DB      6 GRATG 10

RESULT 5
US-10-995-561-85215
/ Sequence 85215, Application US/10995561
/ Publication No. US20050272054A1
/ GENERAL INFORMATION:
/ APPLICANT: CARGILL, Michele et al.
/ TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
/ TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
/ TITLE OF INVENTION: DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001559
/ CURRENT APPLICATION NUMBER: US/10/995,561
/ CURRENT FILING DATE: 2004-11-24
/ NUMBER OF SEQ ID NOS: 85702
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 85215
/ LENGTH: 14
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-995-561-85215

Query Match          100.0%; Score 5; DB 6; Length 14;
Best Local Similarity 100.0%; Pred. No. 1, 2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GRATG 5
DB      10 GRATG 14

RESULT 6
US-11-087-072-7
/ Sequence 7, Application US/11087072
/ Publication No. US20050272069A1
/ GENERAL INFORMATION:
/ APPLICANT: Olopade, Olufunmilayo I.
/ TITLE OF INVENTION: METHYLMETHANODENOSINE PHOSPHORYLASE
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS OF USE IN
/ TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF
/ TITLE OF INVENTION: PROLIFERATIVE DISORDERS
/ NUMBER OF SEQUENCES: 15
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: Arnold, white & Durkee
```


STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/087,072
FILING DATE: 22-Mar-2005
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/674,311
FILING DATE: 01-JUL-1996
APPLICATION NUMBER: US 60/000,831
FILING DATE: 02-JUL-1995
ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: ARSB:509
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-11-087-072-7
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
Query Match 100.0%; Score 5; DB 7; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTATG 5
DB 9 GTATG 13
RESULT 7
US-10-788-028-10/c
Sequence 10, Application US/10788028
GENERAL INFORMATION:
APPLICANT: Semple, Sean
APPLICANT: Harasym, Troy
APPLICANT: Klimuk, Sandra
APPLICANT: Kojic, Jijijiana
APPLICANT: Bramson, Jonathan
APPLICANT: Mui, Barbara
APPLICANT: Hope, Michael
TITLE OF INVENTION: COMPOSITIONS FOR STIMULATING CYTOKINE SECRETION AND
TITLE OF INVENTION: INDUCING AN IMMUNE
FILE REFERENCE: INEXP006US
CURRENT APPLICATION NUMBER: US/10/788,028
CURRENT FILING DATE: 2004-06-26
PRIOR APPLICATION NUMBER: US/09/649,527
PRIOR FILING DATE: 2000-08-28
PRIOR APPLICATION NUMBER: 60/176,406
PRIOR FILING DATE: 2000-01-13
PRIOR APPLICATION NUMBER: 60/151,211
PRIOR FILING DATE: 1999-08-27
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentn Version 3.0
SEQ ID NO 10
LENGTH: 15
TYPE: DNA

ORGANISM: plasmid
FEATURE:
NAME/KEY: control PO
LOCATION: (1)..(15)
US-10-788-028-10
Query Match 100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTATG 5
DB 8 GTATG 4
RESULT 8
US-10-909-125-2032
Sequence 2032, Application US/10909125
GENERAL INFORMATION:
APPLICANT: Esau, Christine
APPLICANT: Lolio, Bridget
APPLICANT: Bennett, C. Frank
APPLICANT: Freier, Susan M.
APPLICANT: Grifey, Richard H.
APPLICANT: Baker, Brenda P.
APPLICANT: Vickers, Timothy
APPLICANT: Marcusson, Eric G.
APPLICANT: Kolier, Eric
APPLICANT: Swayze, Eric
APPLICANT: Jain, Ravi
APPLICANT: Bhat, Balkrishen
APPLICANT: Peralta, Eileen
TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
TITLE OF INVENTION: Of Small Non-Coding RNAs
FILE REFERENCE: ISI50080-100 (CORE0016US)
CURRENT APPLICATION NUMBER: US/10/909,125
CURRENT FILING DATE: 2004-07-30
PRIOR APPLICATION NUMBER: US 60/492,056
PRIOR FILING DATE: 2003-07-31
PRIOR APPLICATION NUMBER: US 60/516,303
PRIOR FILING DATE: 2003-10-31
PRIOR APPLICATION NUMBER: US 60/531,596
PRIOR FILING DATE: 2003-12-19
PRIOR APPLICATION NUMBER: US 60/562,417
PRIOR FILING DATE: 2004-04-14
NUMBER OF SEQ ID NOS: 2184
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2032
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligomeric compound
US-10-909-125-2032
Query Match 100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTATG 5
DB 4 GTATG 8
RESULT 9
US-10-909-125-2033
Sequence 2033, Application US/10909125
GENERAL INFORMATION:
APPLICANT: Esau, Christine
APPLICANT: Lolio, Bridget
APPLICANT: Bennett, C. Frank

```

; APPLICANT: Freiler, Susan M.
; APPLICANT: Griffey, Richard H.
; APPLICANT: Baker, Brenda F.
; APPLICANT: Vickers, Timothy
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Koller, Erich
; APPLICANT: Swayze, Eric
; APPLICANT: Jain, Ravi
; APPLICANT: Bhat, Balkrishen
; APPLICANT: Peralta, Eigen
; TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
; FILE REFERENCE: ISIS0080-100 (CORE0016US)
; CURRENT APPLICATION NUMBER: US/10/909,125
; PRIOR FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: US 60/492,056
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US 60/516,303
; PRIOR FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/562,417
; PRIOR FILING DATE: 2004-04-14
; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2033
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
US-10-909-125-2033

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```

Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1  GTATG 5
        |||||
Db      6  GTATG 10

```

```

RESULT 10
US-10-909-125-2034
; Sequence 2034, Application US/10909125
; Publication No. US20050261218A1
; GENERAL INFORMATION:
; APPLICANT: Beau, Christine
; APPLICANT: Lolio, Bridget
; APPLICANT: Bennett, C. Frank
; APPLICANT: Freiler, Susan M.
; APPLICANT: Griffey, Richard H.
; APPLICANT: Baker, Brenda F.
; APPLICANT: Vickers, Timothy
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Koller, Erich
; APPLICANT: Swayze, Eric
; APPLICANT: Jain, Ravi
; APPLICANT: Bhat, Balkrishen
; APPLICANT: Peralta, Eigen
; TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
; FILE REFERENCE: ISIS0080-100 (CORE0016US)
; CURRENT APPLICATION NUMBER: US/10/909,125
; PRIOR FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: US 60/492,056
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US 60/516,303
; PRIOR FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/562,417
; PRIOR FILING DATE: 2004-04-14

```

```

; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2034
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
US-10-909-125-2034

```

```

Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1  GTATG 5
        |||||
Db      8  GTATG 12

```

```

RESULT 11
US-10-909-125-2035
; Sequence 2035, Application US/10909125
; Publication No. US20050261218A1
; GENERAL INFORMATION:
; APPLICANT: Beau, Christine
; APPLICANT: Lolio, Bridget
; APPLICANT: Bennett, C. Frank
; APPLICANT: Freiler, Susan M.
; APPLICANT: Griffey, Richard H.
; APPLICANT: Baker, Brenda F.
; APPLICANT: Vickers, Timothy
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Koller, Erich
; APPLICANT: Swayze, Eric
; APPLICANT: Jain, Ravi
; APPLICANT: Bhat, Balkrishen
; APPLICANT: Peralta, Eigen
; TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
; FILE REFERENCE: ISIS0080-100 (CORE0016US)
; CURRENT APPLICATION NUMBER: US/10/909,125
; PRIOR FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: US 60/492,056
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US 60/516,303
; PRIOR FILING DATE: 2003-10-31
; PRIOR APPLICATION NUMBER: US 60/531,596
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/562,417
; NUMBER OF SEQ ID NOS: 2184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2035
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligomeric compound
US-10-909-125-2035

```

```

Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1  GTATG 5
        |||||
Db      2  GTATG 6

```

```

RESULT 12
US-10-909-125-2036
; Sequence 2036, Application US/10909125
; Publication No. US20050261218A1

```

```
/ GENERAL INFORMATION:
/ APPLICANT: Esau, Christline
/ APPLICANT: Lolito, Bridget
/ APPLICANT: Bennett, C. Frank
/ APPLICANT: Freiler, Susan M.
/ APPLICANT: Griffey, Richard H.
/ APPLICANT: Baker, Brenda F.
/ APPLICANT: Vickers, Timothy
/ APPLICANT: Marcussen, Eric G.
/ APPLICANT: Koller, Erich
/ APPLICANT: Swayze, Eric
/ APPLICANT: Jain, Ravi
/ APPLICANT: Bhat, Balkrishen
/ APPLICANT: Peralta, Bigen
/ TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
/ FILE REFERENCE: ISIS0080-100 (CORE0016US)
/ CURRENT FILING DATE: 2004-07-30
/ PRIOR APPLICATION NUMBER: US 60/492,056
/ PRIOR FILING DATE: 2003-07-31
/ PRIOR APPLICATION NUMBER: US 60/516,303
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: US 60/531,596
/ PRIOR FILING DATE: 2003-12-19
/ PRIOR APPLICATION NUMBER: US 60/562,417
/ PRIOR FILING DATE: 2004-04-14
/ NUMBER OF SEQ ID NOS: 2184
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2036
/ LENGTH: 15
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligomeric compound
/ US-10-909-125-2036

Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GTATG 5
        |||||
Db      10 GTATG 14

RESULT 13
/ Sequence 2150, Application US/10909125
/ Publication No. US20050261218A1
/ GENERAL INFORMATION:
/ APPLICANT: Esau, Christline
/ APPLICANT: Lolito, Bridget
/ APPLICANT: Bennett, C. Frank
/ APPLICANT: Freiler, Susan M.
/ APPLICANT: Griffey, Richard H.
/ APPLICANT: Baker, Brenda F.
/ APPLICANT: Vickers, Timothy
/ APPLICANT: Marcussen, Eric G.
/ APPLICANT: Koller, Erich
/ APPLICANT: Swayze, Eric
/ APPLICANT: Jain, Ravi
/ APPLICANT: Bhat, Balkrishen
/ APPLICANT: Peralta, Bigen
/ TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
/ FILE REFERENCE: ISIS0080-100 (CORE0016US)
/ CURRENT FILING DATE: 2004-07-30
/ PRIOR APPLICATION NUMBER: US 60/492,056
/ PRIOR FILING DATE: 2003-07-31
/ PRIOR APPLICATION NUMBER: US 60/516,303
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: US 60/531,596
/ PRIOR FILING DATE: 2004-04-14
/ NUMBER OF SEQ ID NOS: 2184
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2151
/ LENGTH: 15
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligomeric compound
/ US-10-909-125-2151
```

```
/ PRIOR APPLICATION NUMBER: US 60/531,596
/ PRIOR FILING DATE: 2003-12-19
/ PRIOR APPLICATION NUMBER: US 60/562,417
/ PRIOR FILING DATE: 2004-04-14
/ NUMBER OF SEQ ID NOS: 2184
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2150
/ LENGTH: 15
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligomeric compound
/ US-10-909-125-2150
```

```
Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 GTATG 5
        |||||
Db      3 GTATG 7
```

```
RESULT 14
/ Sequence 2151, Application US/10909125
/ Publication No. US20050261218A1
/ GENERAL INFORMATION:
/ APPLICANT: Esau, Christline
/ APPLICANT: Lolito, Bridget
/ APPLICANT: Bennett, C. Frank
/ APPLICANT: Freiler, Susan M.
/ APPLICANT: Griffey, Richard H.
/ APPLICANT: Baker, Brenda F.
/ APPLICANT: Vickers, Timothy
/ APPLICANT: Marcussen, Eric G.
/ APPLICANT: Koller, Erich
/ APPLICANT: Swayze, Eric
/ APPLICANT: Jain, Ravi
/ APPLICANT: Bhat, Balkrishen
/ APPLICANT: Peralta, Bigen
/ TITLE OF INVENTION: Oligomeric Compounds And Compositions For Use In Modulation
/ FILE REFERENCE: ISIS0080-100 (CORE0016US)
/ CURRENT FILING DATE: 2004-07-30
/ PRIOR APPLICATION NUMBER: US 60/492,056
/ PRIOR FILING DATE: 2003-07-31
/ PRIOR APPLICATION NUMBER: US 60/516,303
/ PRIOR FILING DATE: 2003-10-31
/ PRIOR APPLICATION NUMBER: US 60/531,596
/ PRIOR FILING DATE: 2003-12-19
/ PRIOR APPLICATION NUMBER: US 60/562,417
/ PRIOR FILING DATE: 2004-04-14
/ NUMBER OF SEQ ID NOS: 2184
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2151
/ LENGTH: 15
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligomeric compound
/ US-10-909-125-2151
```

```
Query Match          100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 GTATG 5
        |||||
Db      10 GTATG 14
```

RESULT 15
US-10-972-764-3/c
; Sequence 3, Application US/10972764
; Publication No. US20050260613A1
; GENERAL INFORMATION:
; APPLICANT: Aerssens, Jercoen
; APPLICANT: Athanassiou, Maria
; APPLICANT: Brain, Carlos
; APPLICANT: Cohen, Nadine
; APPLICANT: Dain, Bradley
; APPLICANT: Denton, R. Rex
; APPLICANT: Judson, Richard S
; APPLICANT: Ozdemir, Vural
; APPLICANT: Reed, Carol R.
; TITLE OF INVENTION: LRPAP1 Genetic Markers Associated with Galantamine Response
; FILE REFERENCE: 2300.0040001
; CURRENT APPLICATION NUMBER: US/10/972,764
; CURRENT FILING DATE: 2004-10-26
; PRIOR APPLICATION NUMBER: 60/515,414
; PRIOR FILING DATE: 2003-10-28
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: ASO Probes for Detecting Alleles at PSs in Haplotypes Comprising
; OTHER INFORMATION: Preferred Embodiments of Response Markers I and Response Markers
; OTHER INFORMATION: II
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (8)..(8)
; OTHER INFORMATION: r is 'g' or 'a'
US-10-972-764-3

Query Match 100.0%; Score 5; DB 6; Length 15;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||
Db 7 GTATG 3

Search completed: January 6, 2006, 16:13:03
Job time : 97.1528 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using bw model

Run on: January 6, 2006, 15:41:56 ; Search time 182.708 Seconds
(without alignments)
226.300 Million cell updates/sec

Title: US-09-540-843-4
Perfect score: 5
Sequence: 1 gtagc 5

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11679888

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_MA_Main:
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
6: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	5	100.0	5	US-10-122-630-4	Sequence 4, Appli
2	5	100.0	5	US-10-122-630-6	Sequence 6, Appli
3	5	100.0	5	US-10-122-633-4	Sequence 4, Appli
4	5	100.0	5	US-10-122-633-6	Sequence 6, Appli
5	5	100.0	7	US-10-027-632-178029	Sequence 178029,
6	5	100.0	7	US-10-027-632-178043	Sequence 3, Appli
7	5	100.0	7	US-10-122-630-3	Sequence 7, Appli
8	5	100.0	7	US-10-122-630-7	Sequence 3, Appli
9	5	100.0	7	US-10-122-633-3	Sequence 7, Appli
10	5	100.0	7	US-10-122-633-7	Sequence 7, Appli
11	5	100.0	7	US-10-027-632-178029	Sequence 178029,
12	5	100.0	7	US-10-027-632-178043	Sequence 178043,
13	5	100.0	7	US-10-780-507-13	Sequence 13, Appli
14	5	100.0	7	US-10-780-507-14	Sequence 14, Appli
15	5	100.0	7	US-10-780-507-15	Sequence 15, Appli
16	5	100.0	7	US-10-780-507-17	Sequence 17, Appli
17	5	100.0	7	US-10-780-507-19	Sequence 19, Appli
18	5	100.0	7	US-11-040-924-12	Sequence 12, Appli
19	5	100.0	7	US-11-040-924-14	Sequence 14, Appli
20	5	100.0	7	US-11-040-924-18	Sequence 18, Appli
21	5	100.0	7	US-11-040-924-22	Sequence 22, Appli
22	5	100.0	7	US-11-040-924-26	Sequence 26, Appli
23	5	100.0	7	US-11-040-924-30	Sequence 30, Appli

c 24	5	100.0	7	10	US-11-040-924-34	Sequence 34, Appli
c 25	5	100.0	7	10	US-11-040-924-38	Sequence 38, Appli
c 26	5	100.0	7	10	US-11-040-924-42	Sequence 42, Appli
c 27	5	100.0	7	10	US-11-040-924-46	Sequence 46, Appli
c 28	5	100.0	7	10	US-11-040-924-47	Sequence 47, Appli
c 29	5	100.0	7	10	US-11-040-924-50	Sequence 50, Appli
c 30	5	100.0	7	10	US-11-040-924-54	Sequence 54, Appli
c 31	5	100.0	7	10	US-11-040-924-58	Sequence 58, Appli
c 32	5	100.0	7	10	US-11-040-924-62	Sequence 62, Appli
c 33	5	100.0	7	10	US-11-040-924-66	Sequence 66, Appli
c 34	5	100.0	7	10	US-11-040-924-70	Sequence 70, Appli
c 35	5	100.0	7	10	US-11-040-924-74	Sequence 74, Appli
c 36	5	100.0	8	3	US-09-142-593-11	Sequence 11, Appli
c 37	5	100.0	8	3	US-09-927-886-17	Sequence 17, Appli
c 38	5	100.0	8	3	US-09-861-014-6	Sequence 6, Appli
c 39	5	100.0	8	6	US-10-263-159-11	Sequence 11, Appli
c 40	5	100.0	8	6	US-10-128-560-224	Sequence 224, App
c 41	5	100.0	8	6	US-10-191-698-11	Sequence 11, Appli
c 42	5	100.0	8	6	US-10-314-578-1138	Sequence 1138, Ap
c 43	5	100.0	8	7	US-10-332-914-5	Sequence 5, Appli
c 44	5	100.0	8	7	US-10-608-516-17	Sequence 17, Appli
c 45	5	100.0	8	8	US-10-742-740-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-10-122-630-4
; Sequence 4, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Eller, Mark S.
; APPLICANT: Yeat, Mina
; TITLE OF INVENTION: Methods to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122, 630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467, 012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048, 927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540, 843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 5
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-4
Query Match 100.0%; Score 5; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.6e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
Oy 1 GTAG 5
Db 1 GTAG 5
RESULT 2
US-10-122-630-6/c
; Sequence 6, Application US/10122630
; Publication No. US20030032610A1

```
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ TITLE OF INVENTION: Method to inhibit Cell Growth Using
/ TITLE OF INVENTION: Oligonucleotides
/ FILE REFERENCE: 0054.1088-018
/ CURRENT APPLICATION NUMBER: US/10/122,630
/ PRIOR FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 08/467,012
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: PCT/US96/08386
/ PRIOR FILING DATE: 1996-06-03
/ PRIOR APPLICATION NUMBER: US 09/048,927
/ PRIOR FILING DATE: 1998-03-26
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 6
/ LENGTH: 5
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
/ US-10-122-630-6
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```
Query Match          100.0%; Score 5; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.6e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 GTATG 5
        |||||
Db      5 GTATG 1
```

```
RESULT 3
/ US-10-122-633-4
/ Sequence 4, Application US/10122633
/ Publication No. US20030032611A1
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaer, Mina
/ TITLE OF INVENTION: Method to inhibit Cell Growth Using
/ TITLE OF INVENTION: Oligonucleotides
/ FILE REFERENCE: 0054.1088-019
/ CURRENT APPLICATION NUMBER: US/10/122,633
/ PRIOR FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 4
/ LENGTH: 5
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
/ US-10-122-633-4
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```
Query Match          100.0%; Score 5; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.6e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 GTATG 5
        |||||
Db      1 GTATG 5
```

```
RESULT 4
/ US-10-122-633-6/c
/ Sequence 6, Application US/10122633
/ Publication No. US20030032611A1
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaer, Mina
/ TITLE OF INVENTION: Method to inhibit Cell Growth Using
/ TITLE OF INVENTION: Oligonucleotides
/ FILE REFERENCE: 0054.1088-019
/ CURRENT APPLICATION NUMBER: US/10/122,633
/ PRIOR FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 6
/ LENGTH: 5
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
/ US-10-122-633-6
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Query Match          100.0%; Score 5; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.6e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 GTATG 5
        |||||
Db      5 GTATG 1
```

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RESULT 5
/ US-10-027-632-178029/c
/ Sequence 178029, Application US/10027632
/ Publication No. US20020198371A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ TITLE OF INVENTION: Polymorphisms in the Human Genome
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ PRIOR FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 178029
/ LENGTH: 7
/ TYPE: DNA
/ ORGANISM: Human
/ US-10-027-632-178029
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Query Match          100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 GTATG 5
|||||
Db 5 GTATG 1

RESULT 6

US-10-027-632-178043/C
Sequence 178043, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of single Nucleotide
POLYMORPHISMS IN THE HUMAN GENOME
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 178043
LENGTH: 7
TYPE: DNA
ORGANISM: Human
US-10-027-632-178043

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
Db 5 GTATG 1

RESULT 7

US-10-122-630-3
Sequence 3, Application US/10122630
Publication No. US20030032610A1
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
TITLE OF INVENTION: Method to inhibit Cell Growth Using
OLIGONUCLEOTIDES
FILE REFERENCE: 0054.1088-018
CURRENT APPLICATION NUMBER: US/10/122,630
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 08/467,012
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/US96/08386
PRIOR FILING DATE: 1996-06-03
PRIOR APPLICATION NUMBER: US 09/048,927
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 3
LENGTH: 7
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-3

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
Db 2 GTATG 6

RESULT 8

US-10-122-630-7
Sequence 7, Application US/10122630
Publication No. US20030032610A1
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
TITLE OF INVENTION: Method to inhibit Cell Growth Using
OLIGONUCLEOTIDES
FILE REFERENCE: 0054.1088-018
CURRENT APPLICATION NUMBER: US/10/122,630
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 08/467,012
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/US96/08386
PRIOR FILING DATE: 1996-06-03
PRIOR APPLICATION NUMBER: US 09/048,927
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: US 09/540,843
PRIOR FILING DATE: 2000-03-31
PRIOR APPLICATION NUMBER: PCT/US01/10162
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 7
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-7

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
|||||
Db 2 GTATG 6

RESULT 9

US-10-122-633-3
Sequence 3, Application US/10122633
Publication No. US20030032611A1
GENERAL INFORMATION:
APPLICANT: Gilchrist, Barbara A.
APPLICANT: Eller, Mark S.
APPLICANT: Yaar, Mina
TITLE OF INVENTION: Method to inhibit Cell Growth Using
OLIGONUCLEOTIDES
FILE REFERENCE: 0054.1088-019
CURRENT APPLICATION NUMBER: US/10/122,633
CURRENT FILING DATE: 2002-04-12
PRIOR APPLICATION NUMBER: US 09/540,843

;; PRIOR FILING DATE: 2000-03-31
;; PRIOR APPLICATION NUMBER: PCT/US01/10162
;; PRIOR FILING DATE: 2001-03-30
;; NUMBER OF SEQ ID NOS: 15
;; SOFTWARE: PaSeq for Windows Version 4.0
;; SEQ ID NO 3
;; LENGTH: 7
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-3

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
DB 2 GTATG 6

RESULT 10
US-10-122-633-7
;; Sequence 7, Application US/10122633
;; Publication No. US20030032611A1
;; GENERAL INFORMATION:
;; APPLICANT: Gilcrest, Barbara A.
;; APPLICANT: Eller, Mark S.
;; APPLICANT: Year, Mina
;; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
;; TITLE OF INVENTION: Oligonucleotides
;; FILE REFERENCE: 0054,1088-019
;; CURRENT APPLICATION NUMBER: US/10/122,633
;; CURRENT FILING DATE: 2002-04-12
;; PRIOR APPLICATION NUMBER: US 09/540,843
;; PRIOR FILING DATE: 2000-03-31
;; PRIOR APPLICATION NUMBER: PCT/US01/10162
;; PRIOR FILING DATE: 2001-03-30
;; NUMBER OF SEQ ID NOS: 15
;; SOFTWARE: PaSeq for Windows Version 4.0
;; SEQ ID NO 7
;; LENGTH: 7
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-7

Query Match 100.0%; Score 5; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
DB 2 GTATG 6

RESULT 11
US-10-027-632-178029/C
;; Sequence 178029, Application US/10027632
;; Publication No. US20030204075A9
;; GENERAL INFORMATION:
;; APPLICANT: Wang, David G.
;; APPLICANT: Wang, David G.
;; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;; TITLE OF INVENTION: Polymorphisms in the Human Genome
;; FILE REFERENCE: 108827,129
;; CURRENT APPLICATION NUMBER: US/10/027,632
;; CURRENT FILING DATE: 2002-04-30
;; PRIOR APPLICATION NUMBER: US 60/218,006
;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20

;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: PaSeq for Windows Version 4.0
;; SEQ ID NO 178029
;; LENGTH: 7
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-178029

Query Match 100.0%; Score 5; DB 6; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
DB 5 GTATG 1

RESULT 12
US-10-027-632-178043/C
;; Sequence 178043, Application US/10027632
;; Publication No. US20030204075A9
;; GENERAL INFORMATION:
;; APPLICANT: Wang, David G.
;; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;; TITLE OF INVENTION: Polymorphisms in the Human Genome
;; FILE REFERENCE: 108827,129
;; CURRENT APPLICATION NUMBER: US/10/027,632
;; CURRENT FILING DATE: 2002-04-30
;; PRIOR APPLICATION NUMBER: US 60/218,006
;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20
;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: PaSeq for Windows Version 4.0
;; SEQ ID NO 178043
;; LENGTH: 7
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-178043

Query Match 100.0%; Score 5; DB 6; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTATG 5
DB 5 GTATG 1

RESULT 13
US-10-780-507-13/C
;; Sequence 13, Application US/10780507
;; Publication No. US20050137387A1


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/ GENERAL INFORMATION:
/ APPLICANT: MULLINS, James I.
/ APPLICANT: RODRIGO, Allen G.
/ APPLICANT: LEARN, Gerald H.
/ APPLICANT: LI, Fusheng
/ APPLICANT: NICKLE, David C.
/ APPLICANT: JENSEN, Mark A.
/ TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
/ FILE REFERENCE: 16336-001320US
/ CURRENT APPLICATION NUMBER: US/10/780,507
/ CURRENT FILING DATE: 2004-02-17
/ PRIOR APPLICATION NUMBER: US 10/204,204
/ PRIOR FILING DATE: 2001-02-16
/ PRIOR APPLICATION NUMBER: PCT/US01/05288
/ PRIOR FILING DATE: 2001-02-16
/ PRIOR APPLICATION NUMBER: US 60/183,659
/ PRIOR FILING DATE: 2000-02-18
/ PRIOR APPLICATION NUMBER: US 60/447,586
/ PRIOR FILING DATE: 2003-02-14
/ NUMBER OF SEQ ID NOS: 125
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 13
/ LENGTH: 7
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
/ US-10-780-507-13

Query Match          100.0%; Score 5; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTATG 5
        |||||
Db       5 GTATG 1

RESULT 14
US-10-780-507-14/c
/ Sequence 14, Application US/10780507
/ Publication No. US20050137387A1
/ GENERAL INFORMATION:
/ APPLICANT: MULLINS, James I.
/ APPLICANT: RODRIGO, Allen G.
/ APPLICANT: LEARN, Gerald H.
/ APPLICANT: LI, Fusheng
/ APPLICANT: NICKLE, David C.
/ APPLICANT: JENSEN, Mark A.
/ TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
/ FILE REFERENCE: 16336-001320US
/ CURRENT APPLICATION NUMBER: US/10/780,507
/ CURRENT FILING DATE: 2004-02-17
/ PRIOR APPLICATION NUMBER: US 10/204,204
/ PRIOR FILING DATE: 2001-02-16
/ PRIOR APPLICATION NUMBER: PCT/US01/05288
/ PRIOR FILING DATE: 2001-02-16
/ PRIOR APPLICATION NUMBER: US 60/183,659
/ PRIOR FILING DATE: 2000-02-18
/ PRIOR APPLICATION NUMBER: US 60/447,586
/ PRIOR FILING DATE: 2003-02-14
/ NUMBER OF SEQ ID NOS: 125
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 14
/ LENGTH: 7
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
/ US-10-780-507-14
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```
Query Match          100.0%; Score 5; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTATG 5
        |||||
Db       5 GTATG 1

RESULT 15
US-10-780-507-15/c
/ Sequence 15, Application US/10780507
/ Publication No. US20050137387A1
/ GENERAL INFORMATION:
/ APPLICANT: MULLINS, James I.
/ APPLICANT: RODRIGO, Allen G.
/ APPLICANT: LEARN, Gerald H.
/ APPLICANT: LI, Fusheng
/ APPLICANT: NICKLE, David C.
/ APPLICANT: JENSEN, Mark A.
/ TITLE OF INVENTION: ANCESTRAL AND COT VIRAL SEQUENCES, PROTEINS AND IMMUNOGENIC COMPO
/ FILE REFERENCE: 16336-001320US
/ CURRENT APPLICATION NUMBER: US/10/780,507
/ CURRENT FILING DATE: 2004-02-17
/ PRIOR APPLICATION NUMBER: US 10/204,204
/ PRIOR FILING DATE: 2001-02-16
/ PRIOR APPLICATION NUMBER: PCT/US01/05288
/ PRIOR FILING DATE: 2001-02-16
/ PRIOR APPLICATION NUMBER: US 60/183,659
/ PRIOR FILING DATE: 2000-02-18
/ PRIOR APPLICATION NUMBER: US 60/447,586
/ PRIOR FILING DATE: 2003-02-14
/ NUMBER OF SEQ ID NOS: 125
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 15
/ LENGTH: 7
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Consensus sequence, maximum likelihood reconstruction of determin
/ US-10-780-507-15

Query Match          100.0%; Score 5; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.1e+09;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GTATG 5
        |||||
Db       5 GTATG 1

Search completed: January 6, 2006, 16:57:02
Job time : 182.708 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using bw model

Run on: January 6, 2006, 15:41:55 ; Search time 136.014 Seconds
(without alignments)
37.515 Million cell updates/sec

Title: US-09-540-843-3

Perfect score: 7

Sequence: 1 agcatga 7

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 4637609 seqs, 364468668 residues

Total number of hits satisfying chosen parameters: 8807346

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA_New:*
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2: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*
8: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq2:*
9: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq3:*
10: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	7	100.0	18 6 US-10-454-437-441	Sequence 441, App
2	7	100.0	18 7 US-11-055-822-1157	Sequence 1157, App
3	7	100.0	18 9 US-11-082-389-445	Sequence 445, App
4	7	100.0	19 6 US-10-898-311-253	Sequence 253, App
5	7	100.0	19 6 US-10-898-311-509	Sequence 509, App
6	7	100.0	19 7 US-11-058-582-34	Sequence 34, Appl
7	7	100.0	19 7 US-11-058-582-123	Sequence 123, App
8	7	100.0	19 7 US-11-058-582-133	Sequence 133, App
9	7	100.0	19 7 US-11-058-582-200	Sequence 200, App
10	7	100.0	19 7 US-11-058-582-297	Sequence 297, App
11	7	100.0	19 7 US-11-058-582-386	Sequence 386, App
12	7	100.0	19 7 US-11-058-582-396	Sequence 396, App
13	7	100.0	19 7 US-11-058-582-463	Sequence 463, App
14	7	100.0	19 8 US-11-101-244-1223	Sequence 1223, App
15	7	100.0	19 8 US-11-101-244-1306	Sequence 1306, App
16	7	100.0	19 8 US-11-101-244-1307	Sequence 1307, App
17	7	100.0	19 8 US-11-101-244-2518	Sequence 2518, App
18	7	100.0	19 8 US-11-101-244-2557	Sequence 2557, App
19	7	100.0	19 8 US-11-101-244-2577	Sequence 2577, App
20	7	100.0	19 8 US-11-101-244-2602	Sequence 2602, App
21	7	100.0	19 8 US-11-101-244-3709	Sequence 3709, App
22	7	100.0	19 8 US-11-101-244-3729	Sequence 3729, App
23	7	100.0	19 8 US-11-101-244-4429	Sequence 4429, App

24	7	100.0	19 8 US-11-101-244-4529	Sequence 4529, App
25	7	100.0	19 8 US-11-101-244-7950	Sequence 7950, App
26	7	100.0	19 8 US-11-101-244-8244	Sequence 8244, App
27	7	100.0	19 8 US-11-101-244-8247	Sequence 8247, App
28	7	100.0	19 8 US-11-101-244-8324	Sequence 8324, App
29	7	100.0	19 8 US-11-101-244-8744	Sequence 8744, App
30	7	100.0	19 8 US-11-101-244-9687	Sequence 9687, App
31	7	100.0	19 8 US-11-101-244-10159	Sequence 10159, App
32	7	100.0	19 8 US-11-101-244-10261	Sequence 10261, App
33	7	100.0	19 8 US-11-101-244-10357	Sequence 10357, App
34	7	100.0	19 8 US-11-101-244-10880	Sequence 10880, App
35	7	100.0	19 8 US-11-101-244-10922	Sequence 10922, App
36	7	100.0	19 8 US-11-101-244-10952	Sequence 10952, App
37	7	100.0	19 8 US-11-101-244-10993	Sequence 10993, App
38	7	100.0	19 8 US-11-101-244-11002	Sequence 11002, App
39	7	100.0	19 8 US-11-101-244-13302	Sequence 13302, App
40	7	100.0	19 8 US-11-101-244-13307	Sequence 13307, App
41	7	100.0	19 8 US-11-101-244-16134	Sequence 16134, App
42	7	100.0	19 8 US-11-101-244-17398	Sequence 17398, App
43	7	100.0	19 8 US-11-101-244-17497	Sequence 17497, App
44	7	100.0	19 8 US-11-101-244-17597	Sequence 17597, App
45	7	100.0	19 8 US-11-101-244-17697	Sequence 17697, App

ALIGNMENTS

RESULT 1
US-10-454-437-441
Sequence 441, Application US/10454437
Publication No. US2005027115A1
GENERAL INFORMATION:
APPLICANT: Pompeius, Markus
APPLICANT: Kroger, Burkhard
APPLICANT: Schröder, Hartwig
APPLICANT: Zelder, Oskar
APPLICANT: Haberauer, Gregor
TITLE OF INVENTION: INVOLVED IN HOMEOSTASIS AND ADAPTATION
FILE REFERENCE: BGI-128CPCN
CURRENT APPLICATION NUMBER: US/10/454,437
CURRENT FILING DATE: 2003-06-13
PRIOR APPLICATION NUMBER: US 60/141031
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: DE 19932126.4
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932125.6
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932126.4
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932127.2
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932128.0
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932129.9
PRIOR FILING DATE: 1999-07-19
PRIOR APPLICATION NUMBER: DE 19932226.0
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19932920.6
PRIOR FILING DATE: 1999-07-14
PRIOR APPLICATION NUMBER: DE 19932922.2
PRIOR FILING DATE: 1999-07-14
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 442
SEQ ID NO 441
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-454-437-441
Query Match 100.0%; Score 7; DB 6; Length 18;

Best Local Similarity 100.0%; Pred. No. 1.3e+04; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0;
Qy 1 AGTATGA 7
Db 7 AGTATGA 13

RESULT 2
US-11-055-822-1157
Sequence 1157, Application US/11055822
Publication No. US20050260707A1
GENERAL INFORMATION:
APPLICANT: Pompejus, Markus
APPLICANT: Kroger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Zelder, Oskar
APPLICANT: Haberbauer, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
FILE REFERENCE: BGI-121CPCN
CURRENT APPLICATION NUMBER: US/11/055,822
CURRENT FILING DATE: 2005-02-11
PRIOR APPLICATION NUMBER: 09/606,740
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: 60/141,031
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 60/142,101
PRIOR FILING DATE: 1999-07-02
PRIOR APPLICATION NUMBER: 60/148,613
PRIOR FILING DATE: 1999-08-12
PRIOR APPLICATION NUMBER: 60/187,970
PRIOR FILING DATE: 2000-03-09
PRIOR APPLICATION NUMBER: DE 19930476.9
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: DE 19931415.2
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19931418.7
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19931419.5
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19931420.9
PRIOR FILING DATE: 1999-07-08
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1158
SEQ ID NO 1157
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: primer
US-11-055-822-1157
Query Match 100.0%; Score 7; DB 7; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+04; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0;
Qy 1 AGTATGA 7
Db 7 AGTATGA 13
RESULT 3
US-11-082-389-445
Sequence 445, Application US/11082389
Publication No. US20050244935A1
GENERAL INFORMATION:
APPLICANT: Pompejus, Markus
APPLICANT: Kroger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Zelder, Oskar
APPLICANT: Haberbauer, Gregor
TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING PROTEINS

TITLE OF INVENTION: INVOLVED IN MEMBRANE SYNTHESIS AND MEMBRANE
FILE OF INVENTION: TRANSPORT
FILE REFERENCE: BGI-131CPCN
CURRENT APPLICATION NUMBER: US/11/082,389
CURRENT FILING DATE: 2005-03-16
PRIOR APPLICATION NUMBER: US 09/603024
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 60/141031
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: US 60/143262
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: US 60/151281
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: DE 19930487.4
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: DE 19930489.0
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: DE 19931549.3
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19931550.7
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: DE 19932134.5
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: DE 19941379.7
PRIOR FILING DATE: 1999-08-31
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 446
SEQ ID NO 445
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: primer
US-11-082-389-445

Query Match 100.0%; Score 7; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+04; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 0;
Qy 1 AGTATGA 7
Db 7 AGTATGA 13

RESULT 4
US-10-898-311-253/c
Sequence 253, Application US/10898311
Publication No. US2005027608A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Guerdioloni, Roberto
APPLICANT: McSwigen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Vitamin D Receptor Gene
FILE REFERENCE: 400/200 (NHE804-586)
CURRENT APPLICATION NUMBER: US/10/898,311
CURRENT FILING DATE: 2004-07-23
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/780,447
PRIOR FILING DATE: 2004-02-13
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 60/362,016
PRIOR FILING DATE: 2002-03-06
PRIOR APPLICATION NUMBER: US 60/292,217
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/306,883
PRIOR FILING DATE: 2001-07-20

PRIOR APPLICATION NUMBER: US 60/311,865
PRIOR FILING DATE: 2001-08-13
PRIOR APPLICATION NUMBER: US 10/727,780
PRIOR FILING DATE: 2003-12-03
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 638
SOFTWARE: PatentIn version 3.3
SEQ ID NO 253
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense
US-10-898-311-253

Query Match 100.0%; Score 7; DB 6; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 9 AGTATGA 3

RESULT 5
US-10-898-311-509
Sequence 509, Application US/10898311
Publication No. US2005027608A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Guerdelin, Roberto
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Vitamin D Receptor Gene
FILE REFERENCE: 400/200 (MHB04-586)
CURRENT FILING DATE: 2004-07-23
PRIOR APPLICATION NUMBER: US/10/898,311
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-04-30
PRIOR APPLICATION NUMBER: PCT/US04/13456
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/780,447
PRIOR FILING DATE: 2004-02-13
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 60/362,016
PRIOR FILING DATE: 2002-03-06
PRIOR APPLICATION NUMBER: US 60/292,217
PRIOR FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: US 60/306,883
PRIOR FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 60/311,865
PRIOR FILING DATE: 2001-08-13
PRIOR APPLICATION NUMBER: US 10/727,780
PRIOR FILING DATE: 2003-12-03
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 638
SOFTWARE: PatentIn version 3.3
SEQ ID NO 509
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-898-311-509

Query Match 100.0%; Score 7; DB 6; Length 19;
Best Local Similarity 71.4%; Pred. No. 1.3e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7

Db 11 AGUATGA 17

RESULT 6
US-11-058-582-34
Sequence 34, Application US/11058582
Publication No. US2005026020A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Christiano, Angela
TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Retinoblastoma (Rb1) Gene
FILE REFERENCE: 400/250 (MHB 05-059-A)
CURRENT FILING DATE: US/11/058,582
CURRENT APPLICATION NUMBER: US 11/039,680
PRIOR FILING DATE: 2005-01-18
PRIOR APPLICATION NUMBER: US 10/923,536
PRIOR FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn version 3.3
SEQ ID NO 34
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-058-582-34

Query Match 100.0%; Score 7; DB 7; Length 19;
Best Local Similarity 71.4%; Pred. No. 1.3e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
Db 3 AGUATGA 9

RESULT 7
US-11-058-582-123
Sequence 123, Application US/11058582
Publication No. US2005026020A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Christiano, Angela
TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Retinoblastoma (Rb1) Gene
FILE REFERENCE: 400/250 (MHB 05-059-A)
CURRENT FILING DATE: US/11/058,582
CURRENT APPLICATION NUMBER: US 11/039,680
PRIOR FILING DATE: 2005-01-18
PRIOR APPLICATION NUMBER: US 10/923,536

;; PRIOR FILING DATE: 2004-08-20
;; PRIOR APPLICATION NUMBER: PCT/US04/16390
;; PRIOR FILING DATE: 2004-05-24
;; PRIOR APPLICATION NUMBER: US 10/826,966
;; PRIOR FILING DATE: 2004-04-16
;; PRIOR APPLICATION NUMBER: US 10/757,803
;; PRIOR FILING DATE: 2004-01-14
;; PRIOR APPLICATION NUMBER: US 10/720,448
;; PRIOR FILING DATE: 2003-11-24
;; PRIOR APPLICATION NUMBER: US 10/693,059
;; PRIOR FILING DATE: 2003-10-23
;; PRIOR APPLICATION NUMBER: US 10/444,853
;; PRIOR FILING DATE: 2003-05-23
;; PRIOR APPLICATION NUMBER: PCT/US03/05346
;; PRIOR FILING DATE: 2003-02-20
;; PRIOR APPLICATION NUMBER: PCT/US03/05028
;; PRIOR FILING DATE: 2003-02-20
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 650
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO: 123
;; LENGTH: 19
;; TYPE: RNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic
US-11-058-582-123

Query Match 100.0%; Score 7; DB 7; Length 19;
Best Local Similarity 71.4%; Pred. No. 1.3e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
||:||||
DB 12 AGTATGA 18

RESULT 8
US-11-058-582-133
;; Sequence 133, Application US/11058582
;; Publication No. US20050260620A1
;; GENERAL INFORMATION:
;; APPLICANT: Sigma Therapeutics, Inc.
;; APPLICANT: McSwiggen, James
;; APPLICANT: Christiano, Angela
;; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Retinoblastoma (RBI) Gene
;; FILE REFERENCE: 400/250 (MBHB 05-059-A)
;; CURRENT APPLICATION NUMBER: US/11/058,582
;; CURRENT FILING DATE: 2005-02-15
;; PRIOR APPLICATION NUMBER: US 11/039,680
;; PRIOR FILING DATE: 2005-01-18
;; PRIOR APPLICATION NUMBER: US 10/923,536
;; PRIOR FILING DATE: 2004-08-20
;; PRIOR APPLICATION NUMBER: PCT/US04/16390
;; PRIOR FILING DATE: 2004-05-24
;; PRIOR APPLICATION NUMBER: US 10/826,966
;; PRIOR FILING DATE: 2004-04-16
;; PRIOR APPLICATION NUMBER: US 10/757,803
;; PRIOR FILING DATE: 2004-01-14
;; PRIOR APPLICATION NUMBER: US 10/720,448
;; PRIOR FILING DATE: 2003-11-24
;; PRIOR APPLICATION NUMBER: US 10/693,059
;; PRIOR FILING DATE: 2003-10-23
;; PRIOR APPLICATION NUMBER: US 10/444,853
;; PRIOR FILING DATE: 2003-05-23
;; PRIOR APPLICATION NUMBER: PCT/US03/05346
;; PRIOR FILING DATE: 2003-02-20
;; PRIOR APPLICATION NUMBER: PCT/US03/05028
;; PRIOR FILING DATE: 2003-02-20
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 650
;; SOFTWARE: PatentIn version 3.3

;; SEQ ID NO: 133
;; LENGTH: 19
;; TYPE: RNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic
US-11-058-582-133

Query Match 100.0%; Score 7; DB 7; Length 19;
Best Local Similarity 71.4%; Pred. No. 1.3e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
||:||||
DB 3 AGTATGA 9

RESULT 9
US-11-058-582-200/C
;; Sequence 200, Application US/11058582
;; Publication No. US20050260620A1
;; GENERAL INFORMATION:
;; APPLICANT: Sigma Therapeutics, Inc.
;; APPLICANT: McSwiggen, James
;; APPLICANT: Christiano, Angela
;; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Retinoblastoma (RBI) Gene
;; FILE REFERENCE: 400/250 (MBHB 05-059-A)
;; CURRENT APPLICATION NUMBER: US/11/058,582
;; CURRENT FILING DATE: 2005-02-15
;; PRIOR APPLICATION NUMBER: US 11/039,680
;; PRIOR FILING DATE: 2005-01-18
;; PRIOR APPLICATION NUMBER: US 10/923,536
;; PRIOR FILING DATE: 2004-08-20
;; PRIOR APPLICATION NUMBER: PCT/US04/16390
;; PRIOR FILING DATE: 2004-05-24
;; PRIOR APPLICATION NUMBER: US 10/826,966
;; PRIOR FILING DATE: 2004-04-16
;; PRIOR APPLICATION NUMBER: US 10/757,803
;; PRIOR FILING DATE: 2004-01-14
;; PRIOR APPLICATION NUMBER: US 10/720,448
;; PRIOR FILING DATE: 2003-11-24
;; PRIOR APPLICATION NUMBER: US 10/693,059
;; PRIOR FILING DATE: 2003-10-23
;; PRIOR APPLICATION NUMBER: US 10/444,853
;; PRIOR FILING DATE: 2003-05-23
;; PRIOR APPLICATION NUMBER: PCT/US03/05346
;; PRIOR FILING DATE: 2003-02-20
;; PRIOR APPLICATION NUMBER: PCT/US03/05028
;; PRIOR FILING DATE: 2003-02-20
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 650
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO: 200
;; LENGTH: 19
;; TYPE: RNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic
US-11-058-582-200

Query Match 100.0%; Score 7; DB 7; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||||||
DB 10 AGTATGA 4

RESULT 10
US-11-058-582-297/C
;; Sequence 297, Application US/11058582

Publication No. US20050260620A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwigen, James
TITLE OF INVENTION: RNA interference Mediated Inhibition Of Retinoblastoma (Rb1) Gene
FILE REFERENCE: 400/250 (MEHB 05-059-A)
CURRENT APPLICATION NUMBER: US/11/058,582
CURRENT FILING DATE: 2005-02-15
PRIOR APPLICATION NUMBER: US 11/039,680
PRIOR FILING DATE: 2005-01-18
PRIOR APPLICATION NUMBER: US 10/923,536
PRIOR FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn version 3.3
SEQ ID NO 297
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-058-582-297
Query Match 100.0%; Score 7; DB 7; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 AGTATGA 7
DB 17 AGTATGA 11
RESULT 11
US-11-058-582-386/c
Sequence 386, Application US/11058582
Publication No. US20050260620A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwigen, James
TITLE OF INVENTION: RNA interference Mediated Inhibition Of Retinoblastoma (Rb1) Gene
FILE REFERENCE: 400/250 (MEHB 05-059-A)
CURRENT APPLICATION NUMBER: US/11/058,582
CURRENT FILING DATE: 2005-02-15
PRIOR APPLICATION NUMBER: US 11/039,680
PRIOR FILING DATE: 2005-01-18
PRIOR APPLICATION NUMBER: US 10/923,536
PRIOR FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2004-01-14
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn version 3.3
SEQ ID NO 396
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-058-582-396

PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn version 3.3
SEQ ID NO 386
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-058-582-386
Query Match 100.0%; Score 7; DB 7; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
CY 1 AGTATGA 7
DB 8 AGTATGA 2
RESULT 12
US-11-058-582-396/c
Sequence 396, Application US/11058582
Publication No. US20050260620A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwigen, James
TITLE OF INVENTION: RNA interference Mediated Inhibition Of Retinoblastoma (Rb1) Gene
FILE REFERENCE: 400/250 (MEHB 05-059-A)
CURRENT APPLICATION NUMBER: US/11/058,582
CURRENT FILING DATE: 2005-02-15
PRIOR APPLICATION NUMBER: US 11/039,680
PRIOR FILING DATE: 2005-01-18
PRIOR APPLICATION NUMBER: US 10/923,536
PRIOR FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn version 3.3
SEQ ID NO 396
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-058-582-396

Query Match 100.0%; Score 7; DB 7; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
DB 17 AGTATGA 11

RESULT 13

US-11-058-582-463
Sequence 463, Application US/11058582
Publication No. US20050260620A1
GENERAL INFORMATION:
APPLICANT: McSwiggen, James
APPLICANT: Christiano, Angela
TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Retinoblastoma (RBI) Gene
FILE REFERENCE: 400/250 (MBHB 05-059-A)
CURRENT APPLICATION NUMBER: US/11/058,582
PRIOR FILING DATE: 2005-02-15
PRIOR APPLICATION NUMBER: US 11/039,680
PRIOR FILING DATE: 2005-01-18
PRIOR APPLICATION NUMBER: US 10/923,536
PRIOR FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: PCT/US04/16390
PRIOR FILING DATE: 2004-05-24
PRIOR APPLICATION NUMBER: US 10/826,966
PRIOR FILING DATE: 2004-04-16
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
Remaining prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn version 3.3
SEQ ID NO 463
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-11-058-582-463

Query Match 100.0%; Score 7; DB 7; Length 19;
Best Local Similarity 71.4%; Pred. No. 1.3e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
DB 10 AGTATGA 16

RESULT 14

US-11-101-244-1223/C
Sequence 1223, Application US/11101244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmoon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William

APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1223
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-1223

Query Match 100.0%; Score 7; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
DB 16 AGTATGA 10

RESULT 15

US-11-101-244-1306
Sequence 1306, Application US/11101244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmoon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1306
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-1306

Query Match 100.0%; Score 7; DB 8; Length 19;
Best Local Similarity 71.4%; Pred. No. 1.3e+04;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
DB 6 AGTATGA 12

Search completed: January 6, 2006, 16:13:03
Job time : 136.014 secs

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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:56 / Search time 255.792 Seconds
(without alignments)
226.300 Million cell updates/sec

Title: US-09-540-843-3
Perfect score: 7
Sequence: 1 agatgta 7

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11679888

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications_NA_Main:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	7 100.0	7 5	US-10-122-630-3	Sequence 3, Appli
2	7 100.0	7 5	US-10-122-630-7	Sequence 7, Appli
3	7 100.0	7 5	US-10-122-633-3	Sequence 3, Appli
4	7 100.0	7 5	US-10-122-633-7	Sequence 7, Appli
5	7 100.0	9 5	US-10-122-630-1	Sequence 1, Appli
6	7 100.0	9 5	US-10-122-633-1	Sequence 1, Appli
7	7 100.0	10 3	US-09-398-399-31	Sequence 31, Appli
8	7 100.0	10 3	US-09-899-381-31	Sequence 31, Appli
9	7 100.0	10 5	US-10-033-145-1423	Sequence 1423, Ap
10	7 100.0	10 6	US-10-329-465-30	Sequence 30, Appli
11	7 100.0	10 8	US-10-193-507-58	Sequence 58, Appli
12	7 100.0	10 8	US-10-818-158-2	Sequence 2, Appli
13	7 100.0	11 7	US-10-612-224-97	Sequence 97, Appli
14	7 100.0	11 7	US-10-450-787-482	Sequence 482, App
15	7 100.0	11 7	US-10-221-306A-15	Sequence 15, Appli
16	7 100.0	12 6	US-10-150-779A-15	Sequence 15, Appli
17	7 100.0	12 6	US-10-150-779A-16	Sequence 16, Appli
18	7 100.0	12 8	US-10-257-017B-267117	Sequence 267117,
19	7 100.0	12 8	US-10-257-017B-268330	Sequence 268330,
20	7 100.0	12 8	US-10-257-017B-270751	Sequence 270751,
21	7 100.0	12 8	US-10-257-017B-271312	Sequence 271312,
22	7 100.0	12 8	US-10-257-017B-271422	Sequence 271422,
23	7 100.0	12 8	US-10-257-017B-271762	Sequence 271762,

24	7 100.0	12 8	US-10-257-017B-274643	Sequence 274643,
25	7 100.0	12 8	US-10-257-017B-274645	Sequence 274645,
26	7 100.0	12 8	US-10-257-017B-275436	Sequence 275436,
27	7 100.0	12 8	US-10-257-017B-278130	Sequence 278130,
28	7 100.0	12 8	US-10-257-017B-278178	Sequence 278178,
29	7 100.0	12 8	US-10-257-017B-279165	Sequence 279165,
30	7 100.0	12 8	US-10-257-017B-279249	Sequence 279249,
31	7 100.0	12 8	US-10-257-017B-279325	Sequence 279325,
32	7 100.0	12 8	US-10-257-017B-279622	Sequence 279622,
33	7 100.0	12 8	US-10-257-017B-280377	Sequence 280377,
34	7 100.0	12 8	US-10-257-017B-280601	Sequence 280601,
35	7 100.0	12 8	US-10-257-017B-280912	Sequence 280912,
36	7 100.0	12 8	US-10-257-017B-281987	Sequence 281987,
37	7 100.0	12 8	US-10-257-017B-282596	Sequence 282596,
38	7 100.0	12 8	US-10-257-017B-284462	Sequence 284462,
39	7 100.0	12 8	US-10-257-017B-284463	Sequence 284463,
40	7 100.0	12 8	US-10-257-017B-284919	Sequence 284919,
41	7 100.0	12 8	US-10-257-017B-286231	Sequence 286231,
42	7 100.0	12 8	US-10-257-017B-287101	Sequence 287101,
43	7 100.0	12 8	US-10-257-017B-287393	Sequence 287393,
44	7 100.0	12 8	US-10-257-017B-287461	Sequence 287461,
45	7 100.0	12 8	US-10-257-017B-288227	Sequence 288227,

ALIGNMENTS

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RESULT 1
US-10-122-630-3
; Sequence 3, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo, Mark S.
; APPLICANT: Yarr, Mina
; TITLE OR INVENTION: Method to Inhibit Cell Growth Using
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PasteSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 7
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-3

Query Match      100.0%; Score 7; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.2e+09;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 AGTATGA 7
      |||||
Db      1 AGTATGA 7

RESULT 2
US-10-122-630-7
; Sequence 7, Application US/10122630
; Publication No. US20030032610A1
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaar, Mina
/ TITLE OF INVENTION: Method to Inhibit Cell Growth Using
/ FILE REFERENCE: 0054.1088-018
/ CURRENT APPLICATION NUMBER: US/10/122,630
/ CURRENT FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 08/467,012
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: PCT/US96/08386
/ PRIOR FILING DATE: 1996-06-03
/ PRIOR APPLICATION NUMBER: US 09/048,927
/ PRIOR FILING DATE: 1998-03-26
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 7
/ LENGTH: 7
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-7
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Query Match      100.0%; Score 7; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.2e+09;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      1 AGTATGA 7
        |||||
Db      1 AGTATGA 7
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RESULT 3
US-10-122-633-3
/ Sequence 3, Application US/10122633
/ Publication No. US20030032611A1
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaar, Mina
/ TITLE OF INVENTION: Method to Inhibit Cell Growth Using
/ FILE REFERENCE: 0054.1088-019
/ CURRENT APPLICATION NUMBER: US/10/122,633
/ CURRENT FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 7
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-3
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```
Query Match      100.0%; Score 7; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.2e+09;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      1 AGTATGA 7
        |||||
Db      1 AGTATGA 7
```

```
RESULT 4
US-10-122-633-7
/ Sequence 7, Application US/10122633
/ Publication No. US20030032611A1
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaar, Mina
/ TITLE OF INVENTION: Method to Inhibit Cell Growth Using
/ FILE REFERENCE: 0054.1088-019
/ CURRENT APPLICATION NUMBER: US/10/122,633
/ CURRENT FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 7
/ LENGTH: 7
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-7
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```
Query Match      100.0%; Score 7; DB 5; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.2e+09;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 AGTATGA 7
        |||||
Db      1 AGTATGA 7
```

```
RESULT 5
US-10-122-630-1
/ Sequence 1, Application US/10122630
/ Publication No. US20030032610A1
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Yaar, Mina
/ TITLE OF INVENTION: Method to Inhibit Cell Growth Using
/ FILE REFERENCE: 0054.1088-018
/ CURRENT APPLICATION NUMBER: US/10/122,630
/ CURRENT FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 08/467,012
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: PCT/US96/08386
/ PRIOR FILING DATE: 1996-06-03
/ PRIOR APPLICATION NUMBER: US 09/048,927
/ PRIOR FILING DATE: 1998-03-26
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 1
/ LENGTH: 9
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-1
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Query Match      100.0%; Score 7; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 9e+08;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AGTATGA 7
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Db 2 AGTATGA 8

RESULT 6
US-10-122-633-1
; Sequence 1, Application US/10122633
; Publication No. US20030032611A1
; GENERAL INFORMATION:
; APPLICANT: Glitchest, Barbara A.
; APPLICANT: Eiler, Mark S.
; APPLICANT: Yeart, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122.633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-1

Query Match 100.0%; Score 7; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 9e+08;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGTATGA 7
|||
Db 2 AGTATGA 8

RESULT 7
US-09-398-399-31
; Sequence 31, Application US/09398399
; Patent No. US020051973A1
; GENERAL INFORMATION:
; APPLICANT: DELENSTARR, GLENDA C.
; APPLICANT: LEFKOWITZ, STEVEN M.
; APPLICANT: LUBER, KEVIN J.
; APPLICANT: OVERMAN, LESLIE B.
; APPLICANT: SAMPRAS, NICHOLAS M.
; APPLICANT: SAMPSON, JEFFREY R.
; APPLICANT: WOLBER, PAUL K.
; TITLE OF INVENTION: TECHNIQUES FOR ASSESSING NONSPECIFIC BINDING OF NUCLEIC
; TITLE OF INVENTION: ACIDS TO SURFACES
; FILE REFERENCE: 10981620-1
; CURRENT APPLICATION NUMBER: US/09/398.399
; CURRENT FILING DATE: 1999-09-17
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Probe
US-09-398-399-31

Query Match 100.0%; Score 7; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 2.7e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
Db 1 AGTATGA 7

RESULT 8
US-09-899-381-31
; Sequence 31, Application US/09899381
; Patent No. US20020068293A1
; GENERAL INFORMATION:
; APPLICANT: Delenstarr, Glend C.
; APPLICANT: Wolber, Paul K.
; APPLICANT: Sana, Theodore R.
; TITLE OF INVENTION: Arrays Having Background Features and
; TITLE OF INVENTION: Methods for Using the Same
; FILE REFERENCE: 10010760-1
; CURRENT APPLICATION NUMBER: US/09/899.381
; CURRENT FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 09/398,399
; PRIOR FILING DATE: 1999-09-17
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic probe
US-09-899-381-31

Query Match 100.0%; Score 7; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 2.7e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGTATGA 7
|||
Db 1 AGTATGA 7

RESULT 9
US-10-033-145-1423/C
; Sequence 1423, Application US/10033145
; Publication No. US2002015151A1
; GENERAL INFORMATION:
; APPLICANT: GENZYME CORPORATION
; APPLICANT: ROBERTS, BRUCE
; APPLICANT: SHANKARA, SRINIVAS
; TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES
; FILE REFERENCE: GA0201C
; CURRENT APPLICATION NUMBER: US/10/033.145
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: PCT/US99/13800
; PRIOR FILING DATE: 1999-06-18
; NUMBER OF SEQ ID NOS: 2137
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1423
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-033-145-1423

Query Match 100.0%; Score 7; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 2.7e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
|||
Db 7 AGTATGA 1

RESULT 10
US-10-329-465-30/C
; Sequence 30, Application US/10329465

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/ Publication No. US20030165949A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang et al.
/ TITLE OF INVENTION: GENES ABNORMALLY EXPRESSED IN MYELOID LEUKEMIA CELLS WITH AN ML-
/ TITLE OF INVENTION: FUSION
/ FILE REFERENCE: 27373/37928A
/ CURRENT APPLICATION NUMBER: US/10/329,465
/ CURRENT FILING DATE: 2002-12-23
/ PRIOR APPLICATION NUMBER: US 60/343,826
/ PRIOR FILING DATE: 2001-12-27
/ NUMBER OF SEQ ID NOS: 315
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 30
/ LENGTH: 10
/ TYPE: DNA
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic oligonucleotide
US-10-329-465-30
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Best Local Similarity 100.0%; Pred. No. 2.7e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AGTATGA 7
Db      10 AGTATGA 4
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RESULT 11
US-10-193-507-58/c
/ Sequence 58, Application US/10193507
/ Publication No. US20040018493A1
/ GENERAL INFORMATION:
/ APPLICANT: Anastasio, Allison E.
/ APPLICANT: Kazemi, Amir
/ APPLICANT: Lachowicz, Michael F.
/ APPLICANT: Pabon, Vicente
/ APPLICANT: Shah, Nisha
/ TITLE OF INVENTION: HAPLOTYPES OF THE CD3E GENE
/ FILE REFERENCE: MMH-2790US
/ CURRENT APPLICATION NUMBER: US/10/193,507
/ CURRENT FILING DATE: 2002-07-12
/ PRIOR APPLICATION NUMBER: 60/304,573
/ PRIOR FILING DATE: 2001-07-11
/ NUMBER OF SEQ ID NOS: 86
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 58
/ LENGTH: 10
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-193-507-58
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Query Match          100.0%; Score 7; DB 7; Length 10;
Best Local Similarity 100.0%; Pred. No. 2.7e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 AGTATGA 7
Db      9 AGTATGA 3
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RESULT 12
US-10-818-158-2/c
/ Sequence 2, Application US/10818158
/ Publication No. US20050020526A1
/ GENERAL INFORMATION:
/ APPLICANT: CHEN, YIN
/ APPLICANT: TAN, XIN XING
/ TITLE OF INVENTION: OLIGODEOXYNUCLEOTIDE INTERVENTION FOR PREVENTION AND
/ TITLE OF INVENTION: TREATMENT OF SEPSIS
/ FILE REFERENCE: CRYA.025-C-CIP
/ CURRENT APPLICATION NUMBER: US/10/818,158
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/ CURRENT FILING DATE: 2004-04-05
/ PRIOR APPLICATION NUMBER: 10/743,956
/ PRIOR FILING DATE: 2003-12-23
/ PRIOR APPLICATION NUMBER: 10/453,410
/ PRIOR FILING DATE: 2003-06-03
/ NUMBER OF SEQ ID NOS: 7
/ SOFTWARE: PatentIn Ver. 3.2
/ SEQ ID NO 2
/ LENGTH: 10
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-818-158-2
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Query Match          100.0%; Score 7; DB 8; Length 10;
Best Local Similarity 100.0%; Pred. No. 2.7e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AGTATGA 7
Db      8 AGTATGA 2
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RESULT 13
US-10-612-224-97/c
/ Sequence 97, Application US/10612224
/ Publication No. US20040137011A1
/ GENERAL INFORMATION:
/ APPLICANT: Cunningham, Philip R.
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
/ TITLE OF INVENTION: IDENTIFICATION OF ANTIBIOTICS THAT ARE NOT SUSCEPTIBLE TO
/ FILE REFERENCE: MSV-2597
/ CURRENT APPLICATION NUMBER: US/10/612,224
/ CURRENT FILING DATE: 2003-07-01
/ PRIOR APPLICATION NUMBER: 60/393237
/ PRIOR FILING DATE: 2002-07-01
/ PRIOR APPLICATION NUMBER: 60/452012
/ PRIOR FILING DATE: 2003-03-05
/ NUMBER OF SEQ ID NOS: 245
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 97
/ LENGTH: 11
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: primer
US-10-612-224-97
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Query Match          100.0%; Score 7; DB 7; Length 11;
Best Local Similarity 100.0%; Pred. No. 2.7e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 AGTATGA 7
Db      7 AGTATGA 1
```

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RESULT 14
US-10-450-797-482
/ Sequence 482, Application US/10450797
/ Publication No. US20040142335A1
/ GENERAL INFORMATION:
/ APPLICANT: Petersohn, Dirk
/ APPLICANT: Conradt, Marcus
/ APPLICANT: Hofmann, Kay
/ TITLE OF INVENTION: METHOD FOR DETERMINING SKIN STRESS OR SKIN AGEING IN VITRO
/ FILE REFERENCE: HENK-0041
/ CURRENT APPLICATION NUMBER: US/10/450,797
/ CURRENT FILING DATE: 2003-12-04
/ PRIOR APPLICATION NUMBER: PCT/EP01/15178
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/ PRIOR FILING DATE: 2001-12-20
 / PRIOR APPLICATION NUMBER: DE 101 00 121.5
 / PRIOR FILING DATE: 2001-01-03
 / NUMBER OF SEQ ID NOS: 1435
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO 482
 / LENGTH: 11
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 US-10-450-797-482

Query Match 100.0%; Score 7; DB 7; Length 11;
 Best Local Similarity 100.0%; Pred. No. 2.7e+05;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
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 DB 1 AGTATGA 7

RESULT 15
 US-10-221-306A-15/c
 / Sequence 15, Application US/10221306A
 / Publication No. US20040171820A1
 / GENERAL INFORMATION:
 / APPLICANT: Seela, Frank
 / APPLICANT: Bergmann, Harald
 / APPLICANT: Bergmann, Frank
 / APPLICANT: Heindl, Dieter
 / APPLICANT: von der Eltz, Herbert
 / TITLE OF INVENTION: N8- and C8-linked purine bases and structurally related
 / TITLE OF INVENTION: heterocycles as universal nucleosides used for
 / TITLE OF INVENTION: oligonucleotide hybridization
 / FILE REFERENCE: 19028 US
 / CURRENT APPLICATION NUMBER: US/10/221,306A
 / CURRENT FILING DATE: 2002-09-10
 / PRIOR APPLICATION NUMBER: PCT/EP01/03458
 / PRIOR FILING DATE: 2001-03-27
 / NUMBER OF SEQ ID NOS: 21
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO 15
 / LENGTH: 11
 / TYPE: DNA
 / ORGANISM: Artificial Sequence
 / FEATURE:
 / OTHER INFORMATION: Synthetic; oligonucleotide designated 118 useful in a model
 / OTHER INFORMATION: oligonucleotide hybridization system for analysing properties
 / OTHER INFORMATION: of nucleotide analogues as described in the present
 / OTHER INFORMATION: application
 / FEATURE:
 / NAME/KEY: modified_base
 / LOCATION: (7)
 / OTHER INFORMATION: abasic linker-group at 3'-OH-group of sugar
 US-10-221-306A-15

Query Match 100.0%; Score 7; DB 7; Length 11;
 Best Local Similarity 100.0%; Pred. No. 2.7e+05;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGTATGA 7
 |||||
 DB 11 AGTATGA 5

Search completed: January 6, 2006, 16:57:02
 Job time : 256.792 secs

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OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:55 ; Search time 174.875 Seconds
(without alignments)
37.515 Million cell updates/sec

Title: US-09-540-843-2

Perfect score: 9

Sequence: 1 tagagagat 9

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 4637609 seqs, 364468668 residues

Total number of hits satisfying chosen parameters: 8807346

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA.New:*
1: /cgn2_6/ptcodata/2/pubpna/US08_NEW_PUB.seq:*
2: /cgn2_6/ptcodata/2/pubpna/US06_NEW_PUB.seq:*
3: /cgn2_6/ptcodata/2/pubpna/US07_NEW_PUB.seq:*
4: /cgn2_6/ptcodata/2/pubpna/PCT_NEW_PUB.seq:*
5: /cgn2_6/ptcodata/2/pubpna/US09_NEW_PUB.seq:*
6: /cgn2_6/ptcodata/2/pubpna/US10_NEW_PUB.seq:*
7: /cgn2_6/ptcodata/2/pubpna/US11_NEW_PUB.seq:*
8: /cgn2_6/ptcodata/2/pubpna/US11_NEW_PUB.seq:*
9: /cgn2_6/ptcodata/2/pubpna/US11_NEW_PUB.seq:*
10: /cgn2_6/ptcodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	9	100.0	19	US-11-069-908-5795	Sequence 5795, Ap
C 2	9	100.0	19	US-11-101-244-15058	Sequence 15058, A
C 3	9	100.0	19	US-11-101-244-15085	Sequence 15085, A
4	9	100.0	19	US-11-101-244-44745	Sequence 44745, A
5	9	100.0	19	US-11-101-244-44842	Sequence 44842, A
6	9	100.0	19	US-11-101-244-59837	Sequence 59837, A
7	9	100.0	19	US-11-101-244-78210	Sequence 78210, A
C 8	9	100.0	19	US-11-101-244-134473	Sequence 134473, A
C 9	9	100.0	19	US-11-101-244-134516	Sequence 134516, A
10	9	100.0	19	US-11-101-244-186279	Sequence 186279, A
C 11	9	100.0	19	US-11-101-244-186280	Sequence 186280, A
C 12	9	100.0	19	US-11-101-244-258417	Sequence 258417, A
13	9	100.0	19	US-11-101-244-258432	Sequence 258432, A
14	9	100.0	19	US-11-101-244-258450	Sequence 258450, A
C 15	9	100.0	19	US-11-101-244-289622	Sequence 289622, A
C 16	9	100.0	19	US-11-101-244-326188	Sequence 326188, A
C 17	9	100.0	19	US-11-101-244-335107	Sequence 335107, A
C 18	9	100.0	19	US-11-101-244-346774	Sequence 346774, A
C 19	9	100.0	19	US-11-101-244-346860	Sequence 346860, A
C 20	9	100.0	19	US-11-101-244-346868	Sequence 346868, A
C 21	9	100.0	19	US-11-101-244-346956	Sequence 346956, A
C 22	9	100.0	19	US-11-101-244-346956	Sequence 346956, A
C 23	9	100.0	19	US-11-101-244-346965	Sequence 346965, A

C 24	9	100.0	19	US-11-101-244-347051	Sequence 347051, A
C 25	9	100.0	19	US-11-101-244-392117	Sequence 392117, A
C 26	9	100.0	19	US-11-101-244-401874	Sequence 401874, A
C 27	9	100.0	19	US-11-101-244-401955	Sequence 401955, A
C 28	9	100.0	19	US-11-101-244-429739	Sequence 429739, A
C 29	9	100.0	19	US-11-101-244-450549	Sequence 450549, A
C 30	9	100.0	19	US-11-101-244-454693	Sequence 454693, A
C 31	9	100.0	19	US-11-101-244-460231	Sequence 460231, A
C 32	9	100.0	19	US-11-101-244-460242	Sequence 460242, A
C 33	9	100.0	19	US-11-101-244-460284	Sequence 460284, A
C 34	9	100.0	19	US-11-101-244-469829	Sequence 469829, A
C 35	9	100.0	19	US-11-101-244-498941	Sequence 498941, A
C 36	9	100.0	19	US-11-101-244-498943	Sequence 498943, A
C 37	9	100.0	19	US-11-101-244-498971	Sequence 498971, A
C 38	9	100.0	19	US-11-101-244-498980	Sequence 498980, A
C 39	9	100.0	19	US-11-101-244-507965	Sequence 507965, A
C 40	9	100.0	19	US-11-101-244-511598	Sequence 511598, A
C 41	9	100.0	19	US-11-101-244-537290	Sequence 537290, A
C 42	9	100.0	19	US-11-101-244-580758	Sequence 580758, A
C 43	9	100.0	19	US-11-101-244-589136	Sequence 589136, A
C 44	9	100.0	19	US-11-101-244-595518	Sequence 595518, A
C 45	9	100.0	19	US-11-101-244-600777	Sequence 600777, A

ALIGNMENTS

RESULT 1
US-11-069-908-5795/c
; Sequence 5795, Application US/11069908
; Publication No. US20050266432A1
; GENERAL INFORMATION:
; APPLICANT: MURRAY, SARAH
; APPLICANT: OLIPHANT, ARNOLD
; TITLE OF INVENTION: RAPIDLY TYPE MARKERS FOR DIAGNOSING SUSCEPTIBILITY TO IMMUNOLOGICAL
; FILE REFERENCE: 029011-0402
; CURRENT APPLICATION NUMBER: US/11/069,908
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: 60/547,823
; PRIOR FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 7098
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5795
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURES:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide
US-11-069-908-5795

Query Match 100.0%; Score 9; DB 7; Length 19;
Best Local Similarity 100.0%; Pred. No. 4.5e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 TAGGAGGAT 9
Db 9 TAGGAGGAT 1

RESULT 2
US-11-101-244-15058/c
; Sequence 15058, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 134990US

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/ CURRENT APPLICATION NUMBER: US/11/101,244
/ CURRENT FILING DATE: 2005-04-07
/ PRIOR APPLICATION NUMBER: 60/502,050
/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 15058
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-11-101-244-15058
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Query Match      100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 4.5e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
DB      18 TAGGAGGAT 10
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RESULT 3
US-11-101-244-15085/c
/ Sequence 15085, Application US/11101244
/ Publication No. US20050246794A1
/ GENERAL INFORMATION:
/ APPLICANT: Dharmacon, Inc.
/ APPLICANT: Khvorova, Anastasia
/ APPLICANT: Reynolds, Angela
/ APPLICANT: Leake, Devin
/ APPLICANT: Marshall, William
/ APPLICANT: Scaringe, Stephen
/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA
/ FILE REFERENCE: 13499US
/ CURRENT APPLICATION NUMBER: US/11/101,244
/ CURRENT FILING DATE: 2005-04-07
/ PRIOR APPLICATION NUMBER: 60/502,050
/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 15085
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-11-101-244-15085
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Query Match      100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 4.5e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
DB      19 TAGGAGGAT 11
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RESULT 4
US-11-101-244-44745
/ Sequence 44745, Application US/11101244
/ Publication No. US20050246794A1
/ GENERAL INFORMATION:
/ APPLICANT: Dharmacon, Inc.
/ APPLICANT: Khvorova, Anastasia
/ APPLICANT: Reynolds, Angela
/ APPLICANT: Leake, Devin
/ APPLICANT: Marshall, William
/ APPLICANT: Scaringe, Stephen
/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA
/ FILE REFERENCE: 13499US
/ CURRENT APPLICATION NUMBER: US/11/101,244
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/ CURRENT FILING DATE: 2005-04-07
/ PRIOR APPLICATION NUMBER: 60/502,050
/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 44745
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-11-101-244-44745
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Query Match      100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 4.5e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
DB      5 UAGGAGGAT 13
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RESULT 5
US-11-101-244-44842
/ Sequence 44842, Application US/11101244
/ Publication No. US20050246794A1
/ GENERAL INFORMATION:
/ APPLICANT: Dharmacon, Inc.
/ APPLICANT: Khvorova, Anastasia
/ APPLICANT: Reynolds, Angela
/ APPLICANT: Leake, Devin
/ APPLICANT: Marshall, William
/ APPLICANT: Scaringe, Stephen
/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA
/ FILE REFERENCE: 13499US
/ CURRENT APPLICATION NUMBER: US/11/101,244
/ CURRENT FILING DATE: 2005-04-07
/ PRIOR APPLICATION NUMBER: 60/502,050
/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 44842
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-11-101-244-44842
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Query Match      100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 4.5e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 TAGGAGGAT 9
DB      5 UAGGAGGAT 13
```

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RESULT 6
US-11-101-244-59837
/ Sequence 59837, Application US/11101244
/ Publication No. US20050246794A1
/ GENERAL INFORMATION:
/ APPLICANT: Dharmacon, Inc.
/ APPLICANT: Khvorova, Anastasia
/ APPLICANT: Reynolds, Angela
/ APPLICANT: Leake, Devin
/ APPLICANT: Marshall, William
/ APPLICANT: Scaringe, Stephen
/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA
/ FILE REFERENCE: 13499US
/ CURRENT APPLICATION NUMBER: US/11/101,244
/ CURRENT FILING DATE: 2005-04-07
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PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 59837
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-59837

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 4.5e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
:|||||||:
Db 2 UAGGAGGAGU 10

RESULT 7
US-11-101-244-78210
Sequence 78210, Application US/11101244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 78210
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-78210

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 4.5e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
:|||||||:
Db 5 UAGGAGGAGU 13

RESULT 8
US-11-101-244-134473/C
Sequence 134473, Application US/11101244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050

PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 134473
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-134473

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 4.5e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
:|||||||:
Db 14 TAGGAGGAT 6

RESULT 9
US-11-101-244-134516/C
Sequence 134516, Application US/11101244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 134516
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-134516

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 4.5e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
:|||||||:
Db 16 TAGGAGGAT 8

RESULT 10
US-11-101-244-186279
Sequence 186279, Application US/11101244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050

;; PRIOR APPLICATION NUMBER: 60/426,137
;; PRIOR FILING DATE: 2002-11-14
;; NUMBER OF SEQ ID NOS: 1591911
;; SOFTWARE: Proprietary
;; SEQ ID NO 186279
;; LENGTH: 19
;; TYPE: RNA
;; ORGANISM: Homo sapiens
US-11-101-244-186279

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 4.5e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
:|||||:
Db 5 UAGGAGGAAU 13

RESULT 11
US-11-101-244-186280
; Sequence 186280, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 186280
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-186280

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 4.5e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
:|||||:
Db 6 UAGGAGGAAU 14

RESULT 12
US-11-101-244-258417
; Sequence 258417, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137

;; PRIOR FILING DATE: 2002-11-14
;; NUMBER OF SEQ ID NOS: 1591911
;; SOFTWARE: Proprietary
;; SEQ ID NO 258417
;; LENGTH: 19
;; TYPE: RNA
;; ORGANISM: Homo sapiens
US-11-101-244-258417

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 4.5e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
:|||||:
Db 5 UAGGAGGAAU 13

RESULT 13
US-11-101-244-258424
; Sequence 258424, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 258424
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-258424

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 4.5e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
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Db 6 UAGGAGGAAU 14

RESULT 14
US-11-101-244-258432
; Sequence 258432, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14

; NUMBER OF SEQ ID NOS: 1591911
 ; SOFTWARE: Proprietary
 ; SEQ ID NO 258432
 ; LENGTH: 19
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-11-101-244-258432

Query Match 100.0%; Score 9; DB 8; Length 19;
 Best Local Similarity 77.8%; Pred. No. 4.5e+03;
 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
 :|||||:
 Db 2 UAGGAGGAGU 10

RESULT 15
 US-11-101-244-258505
 ; Sequence 258505, Application US/11101244
 ; Publication No. US20050246794A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dharmacon, Inc.
 ; APPLICANT: Khvorova, Anastasia
 ; APPLICANT: Reynolds, Angela
 ; APPLICANT: Leeke, Devin
 ; APPLICANT: Marshall, William
 ; APPLICANT: Scaringe, Stephen
 ; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
 ; FILE REFERENCE: 13499US
 ; CURRENT APPLICATION NUMBER: US/11/101,244
 ; CURRENT FILING DATE: 2005-04-07
 ; PRIOR APPLICATION NUMBER: 60/502,050
 ; PRIOR FILING DATE: 2003-09-10
 ; PRIOR APPLICATION NUMBER: 60/426,137
 ; PRIOR FILING DATE: 2002-11-14
 ; NUMBER OF SEQ ID NOS: 1591911
 ; SOFTWARE: Proprietary
 ; SEQ ID NO 258505
 ; LENGTH: 19
 ; TYPE: RNA
 ; ORGANISM: Homo sapiens
 US-11-101-244-258505

Query Match 100.0%; Score 9; DB 8; Length 19;
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 Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
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 Db 3 UAGGAGGAGU 11

Search completed: January 6, 2006, 16:13:03
 Job time : 174.875 secs

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; GENERAL INFORMATION:
; APPLICANT: Gilchrist, Barbara A.
; APPLICANT: Eller, Mark S.
; APPLICANT: Yeager, Mina
; TITLE OF INVENTION: Method to Inhibit Cell Growth Using
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-019
; CURRENT APPLICATION NUMBER: US/10/122.633
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-1
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Query Match 100.0%; Score 9; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.1e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GAGTATGAG 9
Db 1 GAGTATGAG 9
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RESULT 3
US-10-818-158-2/c
; Sequence 2, Application US/10818158
; Publication No. US20050020526A1
; GENERAL INFORMATION:
; APPLICANT: CHEN, YIN
; APPLICANT: TAN, XIN XING
; TITLE OF INVENTION: OLIGODEOXYNUCLEOTIDE INTERVENTION FOR PREVENTION AND
; TITLE OF INVENTION: TREATMENT OF SEPSIS
; FILE REFERENCE: CRYA.025-C-CIP
; CURRENT APPLICATION NUMBER: US/10/818.158
; CURRENT FILING DATE: 2004-04-05
; PRIOR APPLICATION NUMBER: 10/743,956
; PRIOR FILING DATE: 2003-12-23
; PRIOR APPLICATION NUMBER: 10/453,410
; PRIOR FILING DATE: 2003-06-03
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 2
; LENGTH: 10
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-818-158-2
```

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Query Match 100.0%; Score 9; DB 8; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GAGTATGAG 9
Db 9 GAGTATGAG 1
```

```
RESULT 4
US-10-150-779A-15/c
; Sequence 15, Application US/10150779A
; Publication No. US20030125241A1
; GENERAL INFORMATION:
```

```
; APPLICANT: WISENBACH, MARGIT
; APPLICANT: KOCH, TROELS
; APPLICANT: ORUM, HENRIK
; APPLICANT: HANSEN, BO
; TITLE OF INVENTION: THERAPEUTIC USES OF LNA-MODIFIED OLIGONUCLEOTIDES IN
; TITLE OF INVENTION: INFECTIOUS DISEASES
; FILE REFERENCE: 55704 (45120)
; CURRENT APPLICATION NUMBER: US/10/150.779A
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: 60/291,830
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
US-10-150-779A-15
```

```
Query Match 100.0%; Score 9; DB 6; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GAGTATGAG 9
Db 12 GAGTATGAG 4
```

```
RESULT 5
US-10-150-779A-16/c
; Sequence 16, Application US/10150779A
; Publication No. US20030125241A1
; GENERAL INFORMATION:
; APPLICANT: WISENBACH, MARGIT
; APPLICANT: KOCH, TROELS
; APPLICANT: ORUM, HENRIK
; APPLICANT: HANSEN, BO
; TITLE OF INVENTION: THERAPEUTIC USES OF LNA-MODIFIED OLIGONUCLEOTIDES IN
; TITLE OF INVENTION: INFECTIOUS DISEASES
; FILE REFERENCE: 55704 (45120)
; CURRENT APPLICATION NUMBER: US/10/150.779A
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: 60/291,830
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: DNA oligonucleotide with phosphorothioate backbone
US-10-150-779A-16
```

```
Query Match 100.0%; Score 9; DB 6; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GAGTATGAG 9
Db 12 GAGTATGAG 4
```

```
RESULT 6
US-10-257-017B-305165
; Sequence 305165, Application US/10257017B
; Publication No. US200400241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
```

APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 305165
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0021329
US-10-257-017B-305165

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
Db 1 GAGTATGAG 9

RESULT 7
US-10-257-017B-306811
Sequence 306811, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 306811
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022179
US-10-257-017B-306811

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
Db 3 GAGTATGAG 11

RESULT 8
US-10-257-017B-306812
Sequence 306812, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 306812
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022179
US-10-257-017B-306812

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
Db 3 GAGTATGAG 11

RESULT 9
US-10-257-017B-321106
Sequence 321106, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 321106
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0030074
US-10-257-017B-321106

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
Db 2 GAGTATGAG 10

RESULT 10
US-10-257-017B-326072
Sequence 326072, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 326072
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0032886
US-10-257-017B-326072

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
DB 4 GAGTATGAG 12

RESULT 11
US-10-257-017B-347990/c
Sequence 347990, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 347990
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0045390
US-10-257-017B-347990

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
DB 10 GAGTATGAG 2

RESULT 12
US-10-257-017B-30005
Sequence 30005, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 30005
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009039
US-10-257-017B-30005

Query Match 100.0%; Score 9; DB 8; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
DB 4 GAGTATGAG 12

RESULT 13
US-10-257-017B-30006/c
Sequence 30006, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 30006
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0009039
US-10-257-017B-30006

Query Match 100.0%; Score 9; DB 8; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
DB 10 GAGTATGAG 2

RESULT 14
US-10-257-017B-37157
Sequence 37157, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257,017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 37157
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011603
US-10-257-017B-37157

Query Match 100.0%; Score 9; DB 8; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||||
DB 3 GAGTATGAG 11

RESULT 15


```

US-10-257-017B-37158/c
; Sequence 37158, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Bexlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; TITLE OF INVENTION: methylations
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 37158
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide for detection of SNP TSC0011603
US-10-257-017B-37158

```

```

Query Match      100.0%; Score 9; DB 8; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.6e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 GAGTATGAG 9
        |||||
        |||||
Db      11 GAGTATGAG 3

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Search completed: January 6, 2006, 16:57:01
Job time : 329.875 secs

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GenCore version 5.1.6
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OW nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:56 ; Search time 328.875 Seconds
(without alignments)
226.300 Million cell updates/sec

Title: US-09-540-843-2

Perfect score: 9

Sequence: 1 tagsgagat 9

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 11679888

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	9	100.0	9	US-10-123-630-2	Sequence 2, Appli
2	9	100.0	9	US-10-122-633-2	Sequence 2, Appli
3	9	100.0	10	US-10-223-765-202	Sequence 202, App
4	9	100.0	12	US-10-257-017B-273134	Sequence 273134,
5	9	100.0	12	US-10-257-017B-279026	Sequence 279026,
6	9	100.0	12	US-10-257-017B-283661	Sequence 283661,
7	9	100.0	12	US-10-257-017B-286795	Sequence 286795,
8	9	100.0	12	US-10-257-017B-295664	Sequence 295664,
9	9	100.0	12	US-10-257-017B-299027	Sequence 299027,
10	9	100.0	12	US-10-257-017B-306420	Sequence 306420,
11	9	100.0	12	US-10-257-017B-314625	Sequence 314625,
12	9	100.0	12	US-10-257-017B-316022	Sequence 316022,
13	9	100.0	12	US-10-257-017B-318584	Sequence 318584,
14	9	100.0	12	US-10-257-017B-339176	Sequence 339176,
15	9	100.0	12	US-10-257-017B-340374	Sequence 340374,
16	9	100.0	12	US-10-257-017B-375136	Sequence 375136,
17	9	100.0	12	US-10-257-017B-376139	Sequence 376139,
18	9	100.0	12	US-10-257-017B-378060	Sequence 378060,
19	9	100.0	12	US-10-257-017B-380205	Sequence 380205,
20	9	100.0	13	US-10-257-017B-6159	Sequence 6159, Ap
21	9	100.0	13	US-10-257-017B-6160	Sequence 6160, Ap
22	9	100.0	13	US-10-257-017B-20923	Sequence 20923, A
23	9	100.0	13	US-10-257-017B-20924	Sequence 20924, A

24	9	100.0	13	US-10-257-017B-40333	Sequence 40333, A
25	9	100.0	13	US-10-257-017B-40334	Sequence 40334, A
26	9	100.0	13	US-10-257-017B-54941	Sequence 54941, A
27	9	100.0	13	US-10-257-017B-54942	Sequence 54942, A
28	9	100.0	13	US-10-257-017B-72189	Sequence 72189, A
29	9	100.0	13	US-10-257-017B-72190	Sequence 72190, A
30	9	100.0	13	US-10-257-017B-84907	Sequence 84907, A
31	9	100.0	13	US-10-257-017B-84908	Sequence 84908, A
32	9	100.0	13	US-10-257-017B-118049	Sequence 118049,
33	9	100.0	13	US-10-257-017B-118050	Sequence 118050,
34	9	100.0	13	US-10-257-017B-128783	Sequence 128783,
35	9	100.0	13	US-10-257-017B-128784	Sequence 128784,
36	9	100.0	13	US-10-257-017B-166363	Sequence 166363,
37	9	100.0	13	US-10-257-017B-166364	Sequence 166364,
38	9	100.0	13	US-10-257-017B-192849	Sequence 192849,
39	9	100.0	13	US-10-257-017B-192850	Sequence 192850,
40	9	100.0	13	US-10-257-017B-201789	Sequence 201789,
41	9	100.0	13	US-10-257-017B-201790	Sequence 201790,
42	9	100.0	13	US-10-257-017B-216341	Sequence 216341,
43	9	100.0	13	US-10-257-017B-231989	Sequence 231989,
44	9	100.0	13	US-10-257-017B-231990	Sequence 231990,
45	9	100.0	13	US-10-257-017B-231990	Sequence 231990,

ALIGNMENTS

RESULT 1
US-10-122-630-2
; Sequence 2, Application US/10122630
; Publication No. US20030032610A1
; GENERAL INFORMATION:
; APPLICANT: GlaxoSmithKline, Mark S.
; APPLICANT: Yarr, Mina
; TITLE OF INVENTION: Oligonucleotides
; FILE REFERENCE: 0054.1088-018
; CURRENT APPLICATION NUMBER: US/10/122,630
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: US 08/467,012
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: PCT/US96/08386
; PRIOR FILING DATE: 1996-06-03
; PRIOR APPLICATION NUMBER: US 09/048,927
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/540,843
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: PCT/US01/10162
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatsSeq for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 9
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-630-2
Query Match 100.0%; Score 9; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.1e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
Oy 1 TAGGAGGAT 9
Db 1 TAGGAGGAT 9
RESULT 2
US-10-122-633-2
; Sequence 2, Application US/10122633
; Publication No. US20030032611A1

```
/ GENERAL INFORMATION:
/ APPLICANT: Gilchrist, Barbara A.
/ APPLICANT: Eller, Mark S.
/ APPLICANT: Year, Mina
/ TITLE OF INVENTION: Method to Inhibit Cell Growth Using
/ FILE REFERENCE: 0054.1088-019
/ CURRENT APPLICATION NUMBER: US/10/122,633
/ CURRENT FILING DATE: 2002-04-12
/ PRIOR APPLICATION NUMBER: US 09/540,843
/ PRIOR FILING DATE: 2000-03-31
/ PRIOR APPLICATION NUMBER: PCT/US01/10162
/ PRIOR FILING DATE: 2001-03-30
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2
/ LENGTH: 9
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Synthetic DNA Fragment
US-10-122-633-2
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```
Query Match          100.0%; Score 9; DB 5; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.1e+08;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 TAGGAGGAT 9
Db 1 TAGGAGGAT 9
```

```
RESULT 3
US-10-223-765-202
/ Sequence 202, Application US/10223765
/ Publication No. US20030165997A1
/ GENERAL INFORMATION:
/ APPLICANT: Kim, Jin-Soo
/ APPLICANT: Bae, Kwang-Hee
/ APPLICANT: Park, Kyung-Soon
/ APPLICANT: Kwon, Young Do
/ APPLICANT: Ryu, Eun-Hyun
/ APPLICANT: Hwang, Moon-Sun
/ TITLE OF INVENTION: ZINC FINGER DOMAIN LIBRARIES
/ FILE REFERENCE: 12279-005001
/ CURRENT APPLICATION NUMBER: US/10/223,765
/ CURRENT FILING DATE: 2002-08-19
/ PRIOR APPLICATION NUMBER: 60/374,355
/ PRIOR FILING DATE: 2002-04-22
/ PRIOR APPLICATION NUMBER: 60/313,402
/ PRIOR FILING DATE: 2001-08-17
/ NUMBER OF SEQ ID NOS: 305
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 202
/ LENGTH: 10
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: synthetically generated oligonucleotide
US-10-223-765-202
```

```
Query Match          100.0%; Score 9; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 9.5e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 TAGGAGGAT 9
Db 2 TAGGAGGAT 10
```

```
RESULT 4
US-10-257-017B-273134
/ Sequence 273134, Application US/10257017B
```

```
/ Publication No. US20040241651A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 273134
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003058
US-10-257-017B-273134
```

```
Query Match          100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 TAGGAGGAT 9
Db 3 TAGGAGGAT 11
```

```
RESULT 5
US-10-257-017B-279026/c
/ Sequence 279026, Application US/10257017B
/ Publication No. US20040241651A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 279026
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0006799
US-10-257-017B-279026
```

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Query Match          100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 TAGGAGGAT 9
Db 12 TAGGAGGAT 4
```

```
RESULT 6
US-10-257-017B-283661
/ Sequence 283661, Application US/10257017B
/ Publication No. US20040241651A1
/ GENERAL INFORMATION:
/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ CURRENT FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 273134
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0003058
US-10-257-017B-273134
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FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257.017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 283661
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0011446
US-10-257-017B-283661

Query Match
Best Local Similarity 100.0%; Score 9; DB 8; Length 12;
Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
Db 3 TAGGAGGAT 11

RESULT 7
US-10-257-017B-286795/c
Sequence 286795, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257.017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 286795
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0012825
US-10-257-017B-286795

Query Match
Best Local Similarity 100.0%; Score 9; DB 8; Length 12;
Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
Db 9 TAGGAGGAT 1

RESULT 8
US-10-257-017B-295564
Sequence 295564, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257.017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 295564
```

```
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0016640
US-10-257-017B-295564

Query Match
Best Local Similarity 100.0%; Score 9; DB 8; Length 12;
Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
Db 4 TAGGAGGAT 12

RESULT 9
US-10-257-017B-299027/c
Sequence 299027, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257.017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 299027
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0018404
US-10-257-017B-299027

Query Match
Best Local Similarity 100.0%; Score 9; DB 8; Length 12;
Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
Db 12 TAGGAGGAT 4

RESULT 10
US-10-257-017B-306420
Sequence 306420, Application US/10257017B
Publication No. US20040241651A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Detection of single nucleotide polymorphisms [SNPs] and cytosine
TITLE OF INVENTION: methylations
FILE REFERENCE: E01/1193/WO
CURRENT APPLICATION NUMBER: US/10/257.017B
CURRENT FILING DATE: 2002-10-07
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 382046
SEQ ID NO 306420
LENGTH: 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0022000
US-10-257-017B-306420
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Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
DB 1 TAGGAGGAT 9

RESULT 11

US-10-257-017B-314625
; Sequence 314625, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 314625
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0026468
US-10-257-017B-314625

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
DB 4 TAGGAGGAT 12

RESULT 12

US-10-257-017B-316022
; Sequence 316022, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 316022
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0027234
US-10-257-017B-316022

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
DB 2 TAGGAGGAT 10

RESULT 13
US-10-257-017B-338584/c
; Sequence 338584, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 338584
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040564
US-10-257-017B-338584

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
DB 12 TAGGAGGAT 4

RESULT 14
US-10-257-017B-339176/c
; Sequence 339176, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
; FILE REFERENCE: E01/1193/WO
; CURRENT APPLICATION NUMBER: US/10/257,017B
; CURRENT FILING DATE: 2002-10-07
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 382046
; SEQ ID NO 339176
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0040884
US-10-257-017B-339176

Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGAGGAT 9
DB 12 TAGGAGGAT 4

RESULT 15
US-10-257-017B-340374
; Sequence 340374, Application US/10257017B
; Publication No. US20040241651A1
; GENERAL INFORMATION:

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/ APPLICANT: Alexander Olek
/ APPLICANT: Christian Piepenbrock
/ APPLICANT: Kurt Berlin
/ TITLE OF INVENTION: Detection of single nucleotide polymorphisms (SNPs) and cytosine
/ TITLE OF INVENTION: methylations
/ FILE REFERENCE: E01/1193/WO
/ CURRENT APPLICATION NUMBER: US/10/257,017B
/ PRIOR FILING DATE: 2002-10-07
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ NUMBER OF SEQ ID NOS: 382046
/ SEQ ID NO 340374
/ LENGTH: 12
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Oligonucleotide primer for the detection of SNP TSC0041493
US-10-257-017B-340374

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Query Match 100.0%; Score 9; DB 8; Length 12;
Best Local Similarity 100.0%; Pred. No. 9.3e+04;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 TAGGAGGAT 9
   |||||
Db 1 TAGGAGGAT 9

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Search completed: January 6, 2006, 16:57:01
 Job time : 328.875 secs

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November 2005

Published_Applications Nucleic Acid and Published_Applications Amino Acid database searches now generate two sets of results each. The Published_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published_Applications_New databases; older published applications make up the Published_Applications_Main databases.

Searches run against Nucleic Acid Published_Applications produce two sets of results, with the extensions **.rnpbm** (Published_Applications_NA_Main) and **.rnpbn** (Published_Applications_NA_New).
Searches run against Amino Acid Published_Applications produce two sets of results, with the extensions **.rapbm** (Published_Applications_AA_Main) and **.rapbn** (Published_Applications_AA_New).

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GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 6, 2006, 15:41:55 ; Search time 174.875 Seconds
(without alignments)
37.515 Million cell updates/sec

Title: US-09-540-843-1
Perfect score: 9
Sequence: 1 gagatcag 9

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4637609 seqs, 364468668 residues

Total number of hits satisfying chosen parameters: 8807246

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA_New:
1: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
2: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
3: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:
4: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:
5: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:
6: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:
7: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:
8: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:
9: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:
10: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:

*Xred: No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	9	100.0	19	US-11-101-244-8744	Sequence 8744, Ap
2	9	100.0	19	US-11-101-244-13302	Sequence 13302, A
3	9	100.0	19	US-11-101-244-13307	Sequence 13307, A
4	9	100.0	19	US-11-101-244-22503	Sequence 22503, A
5	9	100.0	19	US-11-101-244-35612	Sequence 35612, A
6	9	100.0	19	US-11-101-244-36346	Sequence 36346, A
7	9	100.0	19	US-11-101-244-36392	Sequence 36392, A
8	9	100.0	19	US-11-101-244-36398	Sequence 36398, A
9	9	100.0	19	US-11-101-244-42166	Sequence 42166, A
10	9	100.0	19	US-11-101-244-42268	Sequence 42268, A
11	9	100.0	19	US-11-101-244-42367	Sequence 42367, A
12	9	100.0	19	US-11-101-244-42468	Sequence 42468, A
13	9	100.0	19	US-11-101-244-42568	Sequence 42568, A
14	9	100.0	19	US-11-101-244-42664	Sequence 42664, A
15	9	100.0	19	US-11-101-244-42757	Sequence 42757, A
16	9	100.0	19	US-11-101-244-43438	Sequence 43438, A
17	9	100.0	19	US-11-101-244-46286	Sequence 46286, A
18	9	100.0	19	US-11-101-244-79235	Sequence 79235, A
19	9	100.0	19	US-11-101-244-118192	Sequence 118192, A
20	9	100.0	19	US-11-101-244-118259	Sequence 118259, A
21	9	100.0	19	US-11-101-244-119004	Sequence 119004, A
22	9	100.0	19	US-11-101-244-130328	Sequence 130328, A
23	9	100.0	19	US-11-101-244-130427	Sequence 130427, A

24	9	100.0	19	US-11-101-244-130526	Sequence 130526, A
25	9	100.0	19	US-11-101-244-130626	Sequence 130626, A
26	9	100.0	19	US-11-101-244-130726	Sequence 130726, A
27	9	100.0	19	US-11-101-244-130813	Sequence 130813, A
28	9	100.0	19	US-11-101-244-137486	Sequence 137486, A
29	9	100.0	19	US-11-101-244-147930	Sequence 147930, A
30	9	100.0	19	US-11-101-244-148036	Sequence 148036, A
31	9	100.0	19	US-11-101-244-148146	Sequence 148146, A
32	9	100.0	19	US-11-101-244-148232	Sequence 148232, A
33	9	100.0	19	US-11-101-244-148329	Sequence 148329, A
34	9	100.0	19	US-11-101-244-150259	Sequence 150259, A
35	9	100.0	19	US-11-101-244-150784	Sequence 150784, A
36	9	100.0	19	US-11-101-244-157246	Sequence 157246, A
37	9	100.0	19	US-11-101-244-157881	Sequence 157881, A
38	9	100.0	19	US-11-101-244-158825	Sequence 158825, A
39	9	100.0	19	US-11-101-244-158761	Sequence 158761, A
40	9	100.0	19	US-11-101-244-239980	Sequence 239980, A
41	9	100.0	19	US-11-101-244-240002	Sequence 240002, A
42	9	100.0	19	US-11-101-244-240006	Sequence 240006, A
43	9	100.0	19	US-11-101-244-240010	Sequence 240010, A
44	9	100.0	19	US-11-101-244-242734	Sequence 242734, A
45	9	100.0	19	US-11-101-244-251005	Sequence 251005, A

ALIGNMENTS

RESULT 1
US-11-101-244-8744
Sequence 8744, Application US/11101244
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 8744
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-8744
Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Gaps 0;
Db 5 GAGUAGAG 13
QY 1 GAGTATCAG 9
|||:|:|
Db 5 GAGUAGAG 13
RESULT 2
US-11-101-244-13302/c
Sequence 13302, Application US/11101244
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William

```

; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 13302
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-13302

Query Match      100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGTATGAG 9
      |||||
Db      9 GAGTATGAG 1

RESULT 3
US-11-101-244-13307/c
; Sequence 13307, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacom, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 13307
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-13307

Query Match      100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.8e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGTATGAG 9
      |||||
Db      16 GAGTATGAG 8

RESULT 4
US-11-101-244-22503
; Sequence 22503, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacom, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
```

```

; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; PRIOR FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 22503
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-22503

Query Match      100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGTATGAG 9
      |||:|:|
Db      8 GAGUATGAG 16

RESULT 5
US-11-101-244-35612
; Sequence 35612, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacom, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 35612
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-35612

Query Match      100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GAGTATGAG 9
      |||:|:|
Db      1 GAGUATGAG 9

RESULT 6
US-11-101-244-36346
; Sequence 36346, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacom, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 36346
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-36346

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:|
Db 9 GAGUAGAG 17

RESULT 7
US-11-101-244-36392
Sequence 36392, Application US/11/101,244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 36392
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-36392

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:|
Db 5 GAGUAGAG 13

RESULT 8
US-11-101-244-36398
Sequence 36398, Application US/11/101,244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 36398
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-36398

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:|
Db 7 GAGUAGAG 15

RESULT 9
US-11-101-244-42166
Sequence 42166, Application US/11/101,244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244
CURRENT FILING DATE: 2005-04-07
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 42166
LENGTH: 19
TYPE: RNA
ORGANISM: Homo sapiens
US-11-101-244-42166

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:|
Db 2 GAGUAGAG 10

RESULT 10
US-11-101-244-42268
Sequence 42268, Application US/11/101,244
Publication No. US20050246794A1
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/11/101,244

;; CURRENT FILING DATE: 2005-04-07
;; PRIOR APPLICATION NUMBER: 60/502,050
;; PRIOR FILING DATE: 2003-09-10
;; PRIOR APPLICATION NUMBER: 60/426,137
;; PRIOR FILING DATE: 2002-11-14
;; NUMBER OF SEQ ID NOS: 1591911
;; SOFTWARE: Proprietary
;; SEQ ID NO 42268
;; LENGTH: 19
;; TYPE: RNA
;; ORGANISM: Homo sapiens
US-11-101-244-42268

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:|:|
DB 2 GAGUUAUGAG 10

RESULT 11
US-11-101-244-42367
; Sequence 42367, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 42367
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-42367

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:|:|
DB 2 GAGUUAUGAG 10

RESULT 12
US-11-101-244-42468
; Sequence 42468, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07

;; PRIOR APPLICATION NUMBER: 60/502,050
;; PRIOR FILING DATE: 2003-09-10
;; PRIOR APPLICATION NUMBER: 60/426,137
;; PRIOR FILING DATE: 2002-11-14
;; NUMBER OF SEQ ID NOS: 1591911
;; SOFTWARE: Proprietary
;; SEQ ID NO 42468
;; LENGTH: 19
;; TYPE: RNA
;; ORGANISM: Homo sapiens
US-11-101-244-42468

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:|:|
DB 2 GAGUUAUGAG 10

RESULT 13
US-11-101-244-42568
; Sequence 42568, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 42568
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-11-101-244-42568

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:|:|
DB 2 GAGUUAUGAG 10

RESULT 14
US-11-101-244-42664
; Sequence 42664, Application US/11101244
; Publication No. US20050246794A1
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/11/101,244
; CURRENT FILING DATE: 2005-04-07
; PRIOR APPLICATION NUMBER: 60/502,050

/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 42664
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-11-101-244-42664

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:||||
Db 2 GAGUAGGAG 10

RESULT 15

US-11-101-244-42757
/ Sequence 42757, Application US/11101244
/ Publication No. US20050246794A1
/ GENERAL INFORMATION:
/ APPLICANT: Dharmacon, Inc.
/ APPLICANT: Khvorova, Anastasia
/ APPLICANT: Reynolds, Angela
/ APPLICANT: Leake, Devin
/ APPLICANT: Marshall, William
/ APPLICANT: Scaringe, Stephen
/ TITLE OF INVENTION: Functional and Hyperfunctional siRNA
/ FILE REFERENCE: 13499US
/ CURRENT APPLICATION NUMBER: US/11/101,244
/ CURRENT FILING DATE: 2005-04-07
/ PRIOR APPLICATION NUMBER: 60/502,050
/ PRIOR FILING DATE: 2003-09-10
/ PRIOR APPLICATION NUMBER: 60/426,137
/ PRIOR FILING DATE: 2002-11-14
/ NUMBER OF SEQ ID NOS: 1591911
/ SOFTWARE: Proprietary
/ SEQ ID NO 42757
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Homo sapiens
US-11-101-244-42757

Query Match 100.0%; Score 9; DB 8; Length 19;
Best Local Similarity 77.8%; Pred. No. 2.8e+03;
Matches 7; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAGTATGAG 9
|||:||||
Db 2 GAGUAGGAG 10

Search completed: January 6, 2006, 16:13:03
Job time : 175.875 secs

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